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ORIGINAL ARTICLES

THE ANTERIOR VAGINAL COELIOTOMY INCISION.*

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In considering the appliacbility of the anterior vaginal coeliotomy incision, I presume that I am probably addressing surgeons who from training and practice are more familiar with the abdominal incision. There are those in the practice of surgery who make use of the abdominal incision to the total exclusion of the vaginal, and as well those who make use of the vaginal incision whenever it is possible.

It is the opinion of the writer that the surgeon who fails to recognize the opportunities offered in the selection of the route which offers the greatest advantages, with the least possible danger to life, is indeed handicapped.

The anterior vaginal coeliotomy incision does not offer the possibilities of the abdominal incision, and it should not be compared with it, as its degree of applicability should not be given so wide a range. We however, believe that it rightly claims a place in surgery, though limited in its range of application.

The surgeon who is unfamiliar with it and cannot avail himself of the advantages of so slight a procedure, as regards danger to life and a rapid convalescence, will find it necessary to resort to an abdominal incision for the correction of every slight pathologic lesions or permit such lesions to remain unrelieved.

It should be admitted that any work which can be performed through the anterior vaginal coeliotomy incision, can be performed through the abdominal incision, but the vaginal incision when applicapable is not so major a procedure and offers especial advantages in a certain class of cases.

This particular method of operating through the anterior vaginal vault was originated by Duhrssen, and was termed by him "anterior colpotomy." There can be no particular objection to the name itself as it implies a cut in the anterior vaginal wall, but the name has

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served that the writer has not attempted to define the possibilities of the anterior vaginal coeliotomy incision, but rather to define its limitations in his individual work.

In the class of cases above enumerated, the work can be done as satisfactorily to the operator as through the abdominal incision. The patient is not impressed with the dread of having the abdomen opened, convalesence is shorter and freer of pain. In cases requiring plastic work in the vagina and repair of the pelvic floor, to carry the incision in the anterior vaginal wall a step father and shorten the round ligaments or make vaginal fixation, requires but a few minutes for its accomplishment and does not materially add to the gravity of the procedure.

The writer would insist upon a correct diagnosis of the condition of the pelvic organs, in making a selection of the anterior vaginal coeliotomy incision believing that it should only be employed where it offers equal advantages with the abdominal incision in thoroghness of technique and as well safety to life.

DISCUSSION.

Dr. H. E. Pearse, of Kansas City:—This paper shows a great advance in lifting women from the wreck in which child-birth leaves her. Primarily the trouble is with the pelvic floor. The question presented when these cases come to us is as to the best route of entrance, barring cases of infection, as I understand the essayist did. Leaving out the question of gonorrhea and other similar conditions, the procedure was a very valuable one indeed. I have not been a friend of the vaginal incision. I like to go in through the abdomen and see what I am doing. I have helped some of the best operators in Kansas City, repair injuries resulting from the vaginal operation. It seems to me that the abdomen furnishes a method of doing very accurate work. There is not very much statistical information as to the result of these operations. At the same time there can be no doubt as to the value of the procedure which has been described. I approve of the procedure and can only express great regret at my own inability to take advantage of that incision in the way that he seems to do. It seems so much better and safer than to attack it from above. I must congratulate him upon his success and still express myself as unconvinced as to the desirability of using the vagina.

Dr. Walter B. Dorsett, of St. Louis:—I did not bear the introduction to the paper, but I am lead to believe from a remark by Dr. Pearse, that the writer limits the operation, that is, that it should be done within certain limitations, and I would suggest that he change the title and rechristen it and call it "Limitations in the employment of the Anterior Vaginal Celiotomy." I do that for a serious reason, that is that if this paper goes out as it is, unless special stress is laid

on limitations, it will do a great deal of harm. I believe that a great many operations through the vaginal route are done without good results. I believe it is impracticable, because you cannot see what you are doing. When you are entering posteriorly for the purpose of giving relief in these extra-uterine cases you are often lead into disaster. I have seen two women bleed to death from posterior incisions in pregnancy.

What we need is to gain a degree of experience so that we can do these operations rapidly, and then we will be in position to give our patients the benefit of the operation which will afford the greatest relief and without undue risk. Where you have to repair a lacerated peritoneum that will necessarily consume time it will be necessary to keep your patient under the anesthetic too long, unless you are a very rapid operator.

Dr. A. E. Hertzler of Kansas City. I believe the question is largely one of training of the operator. The thorough knowledge of anatomy. There is no question that the novice will get along better through the abdominal route than through the vaginal. Just where we place the limitation depends upon conditions. Formerly I was more enthusiastic in the support of the vaginal route than I am at present. Anatomy I will do from below, but an ectomy from above. I have had better results in doing both along this line.

Dr. C. Lester Hall, of Kansas City:—I was particularly impressed with what Dr. Campbell said about the limitations of this operation. Dr. Campbell, like many progressive men, has indulged in frequent changes. Last year I read a paper in regard to the abdominal and vaginal route; I gave preference to the abdominal route. I had no more enthusiastic supporter than the Doctor. I do not believe he wishes to reverse himself, but I do believe he has not properly stated the limitations of the vaginal route. I do not think he means that it is well to bring down pus tubes through the vagina. I do not believe he would do it. I do not believe he would bring down tissues, whether infected or not, through the vagina, and risk infection thereby. I do not believe that in a case of pus tubes, he would feel that he had done safe work by this procedure. If we are going to limit it to simple uterine displacements in which the attachments are made low down, barely above the internal os, it is possible it has a value. I do not think this operation will ever become popularized in America. I think that the abdominal route will be the route of choice.

Dr. A. R. Kieffer of St. Louis:—We will all have to concede that, notwithstanding the satisfactory results of his work, the abdominal route is growing in favor for work in the pelvis. It seems that this work was done principally for the purpose of correcting retro-flexions. I do not believe we are ever justified in opening the abdominal cavity for the purpose of shortening the round ligaments

alone. In the first place, by the vaginal route you expose the peritoneal cavity. This increases the danger especially where there is some degree of infection as nearly always is the case where there is laceration of the cervix. An importnat objection is that we use up the best part of the ligament in doubling it on itself, no matter what operation we do, and leave the weakest part to support the strain. Recently while doing an Alexander operation I found the ligament greatly shortened extremely attenuated in the vaginal canal. Shortening this ligament in the ordinary way would have left a very weak point of attachments, but according to the Alexander operation it was left good and strong. Dr. Hirst, whose opinion I respect most highly, states that of all operations done for the cure of retro displacements, those done through the vagina are the least satisfactory as regards relapses and post-oprative adhesions. I want to emphasize the opinion that I do not think we are ever justified in opening the peritoneal cavity for the single purpose of shortening the round ligament. In doing all kinds of round ligament operations, it is very desirable that the patient wear a pessary, for the purpose of keeping the cervix well back. This is particularly necessary in cases of long standing. The valinal route interferes with a pessary during convalesence. I am surprised that such good results were obtained and no pessary used.

Dr. P. Y. Tupper of St. Louis:—I believe that with an increased experience in this operation, more can be gained and better results accomplished. Still, I have never as yet felt that enough is gained generally to justify the procedure of operating through small openings. There was at one time a strong tendency in favor of these small openings. Operators did all they could to minimize the size of the opening. We know for instance that in appendectomies there was quite a bit of stress laid upon doing the operation through a very small opening and in doing the operation in a very short time. I think that is putting a premium on a dangerous procedure which I believe resulted in disaster very frequently. The ordinary operator through the route recommended by Dr. Campbell, would not have sufficient room to do anything more than a very simple operation, such as doubling up the round ligament, and attaching it, so I would suggest that we bear in mind what has been said about the limitation of the operation. When we make an incision through the vaginal wall and endeavor to determine by touch the exact relation and condition of the pelvic organs, we often find when additional opening is made through the abdominal wall that there exists quite a different state of affairs than that which seemed apparent to the touch. I think the use of this small opening is rather to be criticized. We should usepreferably a route which will give us accurate knowledge of the relation of the structures and the state they are in. If knowledge can

be gained by touch alone, greater knowledge can be gained by both touch and sight.

Dr. Campbell, in closing: In regard to Dr. Dorsett's remarks, I will say in justification of the title of the paper, that had it been the practice of the surgeons of the state of Missouri to give the anterior vaginal coeliotomy incision the position that it should have, then the title suggested would be all right, but the fact is, this incision is not generally used, and therefore, I wished to call attention to it and to claim that it was a legitimate surgical procedure; also to indicate the limitations of the work that could be done through this incision, especially as observed by myself. Now good men, of course, change their minds; intelligent men do, but as charged by Dr. Hall, I have not changed my mind as to the class of work that should be done through this incision. I outlined the class of work that I do through this incision. Pus tubes were not mentioned as one of the pathological conditions that I attack through this incision; therefore I did not have to reverse my position. My paper takes a limited view of the work that I recommended being done through this incision, but I state that I am not considering the possibilities of the incision. If the surgeons and gynecologists of the Middle West were doing as much work as Emil Reiss, of Chicago, and some of the leading men of the Eastern states, then I would have written a very different paper for this society.

In reply to Dr. Kieffer will say that in cases of hyperplasia of the uterus associated with retro-displacements, any method of correction by shortening of the round ligaments will prove ineffectual. In this class of cases better and more permanent results are obtained by suspension of the uterus by means of the round and broad ligaments, or from ventro-suspension.

There should be no objections raised to opening the peritoneum, either through an abdominal or a vaginal incision, as it can be done with absolute safety. The class of cases enumerated in my paper were cases of simple retro-displacements, where repair was needed to the cervix and pelvic floor. The mere correction of the retro-displacements without repairing the pelvic floor would not be good surgery. It is this class of cases in which the anterior vaginal coeliotomy incision is most applicable.

THE NERVOUS SYSTEM OF THE CHILD IN RELATION TO ITS DEVELOPMENT.*

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Nature never produces two like individuals. In the first division of the nucleus of the fertilized ovum two equal, or physically and chemically similar, cells do not result. The microscope never reveals two neurones of exact size and form. The oculist fails to find two eyes with equal vision. Identical potentialities do not exist in the twins of any species, nor in the children of any parents. Yet this universal lack of similarity does not argue that many normal individuals may not nor do not exist. Size, shape, physical and chemical content do not indicate the normal, rather does the individual's adaptability to its environment.

Considering the average individual child of today in relation to the many contending factors which are influencing it in its development, can it be said to be growing into a strong, self controlled adult? Does it possess a stable mentality? Is its nervous system in a state of equlibrium in relation to its surroundings? And further, is the environment of the growing child of a character which can be expected to develop the normal? The evenly balanced?

Be it man, a lower animal, or a plant, the individual is a composite of heredity, environment and a specific personal element. These three factors all and always play a part, though in varying proportion throughout the life history of the child, and especially of its nervous system. As Conklin has stated: "Weisman's theory that all characteristics and qualities of the individual are predetermined by the biophors or determinents of the chromatin of the germ cell, is too arbitrary for general or universal application." Darwin has conclusively shown: "That differences in species are produced in some way by outside influences, or by the organisms reaction in adjustments to those influences." Burbank likewise corroborates this in his experiments with plant life, and shows that differences can be produced in a comparatively short time. In like manner changes in character, in mental characteristics and nervous manifestations, are found to result when the surrounding influences of children are changed.

Heredity manifestly has its influence, and may be controlling, especially where the inherited tendencies are permitted to continue unabated, or are positively stimulated. Children of alcoholic, syphilitic

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or epileptic forebears commonly manifest abnormalities dependent upon inherent qualities. The offspring of neurotic parents quite universally possess unstable nervous systems, but it should not be overlooked that such children grow up with an environment, in their parents, which forms a large part of the cause of their neuroses or mental perversions. Likewise the narrow chested, weazened babe of a tubercular mother is most evidently a hereditary sufferer, but feeding at the maternal breast which is supplying a deficient, if not poisonous, food and breathing an atmosphere laden with germs, this tendency is bound to be augmented.

Admitting the strong influences heredity plays in the physical development of species, in racial characteristics, and in many of the mental and nervous tendencies of the individual, it cannot be too strongly impressed upon us that a child's future growth and development depend largely upon the surrounding influences, in all their variety, physical and psychical, which impress the nervous system and thus the whole organism.

Life is the response of the living organism to external stimulation. The recognition of one's environment and the response to its influence is through the stimulation of the special and common sense organs, and the conveyance of messages to and from the cortical and spinal centers over the peripheral neurones. Thoughts and ideas may be inherent or intuitive, but we have no rational evidence pointing thereto. On the other hand, as the babe's eyes receive impressions of sight, as its organs of hearing are stimulated by sonorous waves, and as its sense of touch is awakened by pressure, images are made, and ideas, consonant with and dependent upon such external impressions, are produced. Then as the babe grows into childhood it interprets its surroundings in a language conforming to its orginal and continuing sense impressions and experiences. All this but proves the great influence the individual's environment has in developing its nervous system, and especially its mind.

In taking two children at birth and considering their discipline and development we have two distinctly different propositions. One child may be practically normal as regards its physical and intimately connected nervous systems—the other may have some physical or nervous defect—but the future of both will depend very largely upon those factors and influences among which they are placed.

A babe nursed and reared at the breast of a devoted mother will develop into a very different child than if brought up by foster parents. It is recognized even in the epileptic or choreic child that environmental influence are usually the immediate cause of the seizures. But the environment of the babe, as of the adult, comprehends much more than those stimuli of the special and common sense. Just as truly is every particle of food which enters the digestive tract,

and every drug introduced into its organism, as well as every external suggestion, a part of its environment. And such influences effect markedly the nervous system in depressing or exciting it.

As we step out of babyhood among the growing children, especially of our cities, one is impressed with the great number of high strung, precocious individuals with nervous systems abnormal and fast breaking down. Go into the streets, into the slums, and among the poor and illiterate, and see the children over whom parents have no control save through the instilling of fear or the use of brute force. Here you see nervous systems so responsive to severe discipline and suggestion that thought of punishment makes the boy or girl cringe or become angered to overt act. It was not only during the time of Hugo in France and Dickens in England, that the slum child and the dependent were immersed in an environment of vice and crime that proved as an iron mould. In the poorer, neglected, quarters of our cities today, bright, innocent children are living, waiting for the good hand to lift them up, but creeping of necessity into a circle which will hold them down, while teaching and forming them like unto themselves. Brought up on profanity, obscenity and slang, drinking from the common mug, and dancing on the knee of the low minded, can we expect other creatures? With their minds and reflexes developed in this way what can be expected as these children enter puberty? Every sense is abnormal and perverted. Every passion is on the *qui vive* and it slightest stimulation causes, as the case may be, a loss of virute or a criminal deed. It is not at all uncommon to find boys on reaching puberty beginning at the same time lives of vice and crime, and girls entering upon lives of abuse and prostitution. Caldo[1] says: "Most prostitutes fall between the ages of fifteen and eighteen." In Washington City, during the year 1904, out of 23,000 arrests for disorderly conduct, intoxication, and other offenses, more than one-fourth were among youths less than twenty-one years of age, and 1500 had not as yet reached the age of sixteen.[2] The Juvenile Court of Denver reports that nearly one-fourth of all arrests in that city have been among boys under seventeen years of age. Most careful records show that "More than 50 per cent. of the inmates of prisons and public institutions of this country are there as the result of neglect and habits formed during the years between eight and sixteen." Is it a necessity? Is it a cruel fatality that a sixteen year old boy should have murdered his father for refusing him a team to take a drive, and be incarcerated in our State Penitentiary? What of series of homicides and suicides among the young and recently married in Kansas City during the past few years? Whether a necessity or not, it surely is almost inevitable that such crimes do occur, and more remarkable that they are so few, when we consider the character and lack of training, that is the environment of such individuals.

As we turn to the children of the better class do we find their environment so different? The degredation, ignorance and poverty are absent. The common vulgarity and losseness of morals are largely eliminated. But what of the thousand and one impressions which impinge upon the special and common sense organs of these children, thus over stimulating and perverting them? The lack of parental control and restraint, the indiscriminate intimacy of the sexes during pubescence, the frequenting of theatre and pleasure resorts during the growing emotional life, and their early entering in the commercial struggle; all these conditions make up a large part of the daily environment of this class.

In the public schools their minds are put to the severest tests, without special regard to individual development; the special senses are stimulated to the extreme by imperfect surroundings, and too great requirements, while the backward mentality and imperfect senses are made worse. Precocity, which should invariably be held in check when manifested, is quite commonly encouraged to the pupil's future injury.

Acknowledging the great strides made in our present educational system, it is by no means what it should be, and Jacobi[3] has reason for saying: "Our schools have become hot houses in which scoliosis, anaemia, chlorosis, myopia, neuresthenia and cerebral exhaustion are being bred in incredible numbers." In the schools of our large cities is this especially marked. According to a recent report[4] (1902) of four primary schools in New York City, with an attendance of 13,941, there were 136 suffering from chorea. In local schools of our our state cases of this affliction develop every year, and the severity and, not infrequently, the causes are found in the character and quantity of work required. Likewise the special senses, which react directly upon the central nervous system, are so often put to the test. Out of the four schools just mentioned 3,219 children were suffering from defective vision, and 460 from imperfect hearing. Compaird of Madrid claims that 20 per cent. of school children have ear trouble and consequent deafness, much of which could be benefitted or cured if proper attention was given in time.

In Chicago where "Child Study"[5] in the public schools is a special feature, it is found that the conditions and environment of school life cause and increase defects of vision. Especially is this true about the age of nine years, when mentally children normally advance. But as defects of vision and hearing increase it is observed that the pupils retrograde mentally.

In other cities of this country the same facts are noted, and abroad the findings along similar lines are even more striking. In a very careful study of 4,245 pupils in the Moscow schools Zak[6] found that there was an almost steady increase in the nervous condition of pupils

from 10 to 17. Starting with a percentage of 8.3 per cent. showing some nervous manifestation at 10 years of age, it had increased to 66.6 per cent. at 17 years. In the New York schools previously mentioned there were "823 whose mentality was bad," that is 6 per cent. According to C. Stanley Hall,[7] "1 per cent. of the school population is deficient, and it is they who will become our defectives and delinquents unless properly trained."

Futhermore, within all walks of society, both in school and without, there exists another class of children with a mental or nervous condition most unfortunate, namely, the epileptic. In their relation to society, in their comfort and safety, and for the peace of mind of their families and associates, they demand special consideration. In numbers they are sufficient to cause no little concern. Statistics[8] show that in some of our larger states such as New York, Illinois and Iowa, there is one epileptic to every 500 to 600 of the population, while according to the last United States census report, the mortality from epilepsy which in 1890 was 2.8 per cent., had increased to 3.2 per cent. in 1900. That epilepsy is primarily a disease of childhood is shown in the fact that between 25 per cent. and 35 percent. of those suffering with the condition are less than 10 years, and about 50 per cent. are between the ages of 10 to 20.[9] Epilepsy, as is generally acknowledged, is hereditary, or has back of it a neurotic ancestry. From a series of 1070 cases Spratling attributes 16 per cent. to a similar heredity, while 14 per cent. had an alcoholic parentage. According to Podstata's observation 20 per cent. to 28 per cent. are the offspring of inebriates.

Another serious problem in the environment of the present, as of past, generations, is that of child labor. Due to the greed of man, to inefficient school laws and to parental ignorance and poverty, the question has been forced upon us until it is now one of national scope and recognition. It is illustrated in factory, in coal mine, department store and the diversified trades. There are, it is true, some 28 states which have more or less perfect labor laws restricting the employment of children under specified years, as 12, 13, and 14, but in few states can it be said that these laws are enforced. In the decade from 1890 to 1900 there was an increase of 40 per cent. in the employment of child labor,[10] and today 2,000,000 children[15] under 16 years of age, who should be at play or in school, are toiling in our various manufactories and industries.

It is needless to say that child labor such as involved in factory or industry of any description, with long hours, monotonous work, and the constant strain on mind and special senses, can have anything but a tendency to stunt and pervert the child, both physically and mentally. The department stores and messenger service show us many anaemic, high strung, bright but illiterate and unbalanced children, taken from

home influence early, and now struggling with men and women. But what of their future? As Felix Adler says[12] "the effects of precocity labor are arrest of mental development." He instances "The brilliant but short lived intelligence of many news boys, their high strung excitability, their sinister anticipation of world knowledge, followed often by torpor or mental exhaustion." Only the other day I had occasion to ask a young messenger boy in Kansas City his age. His reply in a tone of haughty maturity was "Oh, I'm thirteen and old enough to marry." Child labor enters the period of childhood and adolesence when long hours, monotonous work, association with elders and questionable companions, all tend to prevent normal development. Certain faculties may be very acute, but a well balanced mind never results.

Many remedies for these conditions which are doing so much to undermine the nervous system of the child are being undertaken today, as never before, and the outlook is most hopeful, but the work is being attempted very largely under the initiative of the sociologist and educator, the courts and state governments. Society has the right to expect, and is demanding that this and succeeding generations have the opportunity to grow up with a different environment and also a better inheritance. In order that this be accomplished we, as a profession, must join forces with the sociologist, the educator and the courts and give them the benefit of our knowledge and experience.

We should recognize our obligations to parents in educating them as to preconception and prenatal influences, which may effect for good or ill the offspring. Parents and society at large should be informed as they are not, that a child at birth is not adapted to its new environment; that its nervous system, particularly its special senses, should be but slightly stimulated. Its environment of light, sound and pressure should be subdued and non-irritating. It should be urged that a child's physical development, not its mental, is the first consideration. And above everything the child should be kept largely in the fresh air and sun light of "God's out of doors" which does so much for the symmetrical development of all organic life. Then as the time comes to give attention to the child's mind, it should be not to test its brightness, its reasoning faculty, but rather its power of observation, which is the training of the special senses in harmony with their surroundings; thus the acquiring of memories, not the making of judgments.

Today commonly and naturally the child's educational career begins in the school, and here it is necessary that greater opportunity be given for systematic training and, above all, individual instruction. A fact which should not only be recognized in our public schools, but also be squarely met, is that no two minds do nor can acquire and assimilate knowledge at the same rate; further that the intellectual tastes and

talents of no two children are the same. Hence to avoid injustice to the individual, to render it impossible for one child to be dependent upon another, special classes should often be formed, for free and normal development.

Of equal importance with the strictly literary and scientific work is that of physical training. In truth, the former is dependent upon the latter. And here let it be impressed upon us that to secure and maintain a normal nervous system, the end which is sought, there should be in all schools two related departments. The one, having for its purpose the maintaining of an already practically normal nervous system; the other the correcting or building up of an abnormal one. The former is to be maintained by thoroughly acquainting the boy and girl with the anatomy and physiology of the body, the function of every organ and tissue, and the sane way in which to use them. A great fault in our public school system is that physiology is very superficially taught, and many functions, from a false sense of propriety, are not touched upon at all. In order that our sons and daughters be physically well developed, and mentally and morally strong, they must learn early not only that they possess nervous, circulatory, respiratory and muscular systems, but that they have a gastro-intestinal tract and genito-urinary organs with functions which are early to be recognized and controlled. Then in connection with this branch must be placed before them a required and graduated course in physical culture which will afford in the fresh air, the recreation and exercise each pupil may require for the needs of his or her organism.

The other related department is that which has been established in the public schools of many of our larger cities, namely, that of medical inspection. This should be made a permanent department of every public school system, for the purpose of suggesting, as indicated, specific treatment, a lessened amount of work or a changed environment. Children having disease or disturbance of the special senses require for their comfort and health an early diagnosis; those suffering from scoliosis, chorea, precocity or mental strain, should be given proper opportunity for rest and protection; while the mentally deficient and epileptic should invariably be removed from school and home and segregated in special institutions, the segregation promoting the welfare of the afflicted, and insuring the comfort and safety of society at large.

Still another group of influences to which we should give our support, just as much as to prophylaxis in smallpox or malaria, is that of the proper housing and beautifying of the city or town. Tenement and building restriction laws must be passed and enforced, which will insure sanitary and hygenic surroundings, perfect water and plumbing systems and plenty of fresh air and sunlight. Our park systems

must be literally extended into the dark and unsodded parts of the commwealth where the children of the poor can really play and grow up with nature, instead of being submerged by the many degenerating artifices of civilization. But further, the numerous, needless noises of the city must be stilled, and the myriad sensational objects and advertisements which make unsightly thoroughfare and hillside, must be removed. It is needless to say what such a changed environment would accomplish.

The child offender and the so-called incorrigable represent a class which require special discipline and treatment differing widely from that imposed upon the adult criminal. For these the Juvenile Court and the Parental Home have been established in many cities, and are doing a wonderful work in reclamation. In order that this work be the most effective,the medical expert must be associated with the Judge to determine the cause of offense and to apply the penalty or treatment as indicated by the physical and mental condition of the child and his environment.

The magnitude and exigences of child labor, as already indicated, are very great, and "The National Child Labor Committee" is doing much towards its solution. The committee has been instrumental in securing the passage of laws in several states restricting the employment of children and in enforcing compulsory school attendance. To correct the greed of corporate wealth and the indifference and selfishness of parents, which keep the immature child at loom and bench, society must assert its authority, and demand that child labor in the varied manufacturies and industries cease. As medical men and physiologists knowing the harmful effects of constant, hard work upon both the body and mind of the child, we should give our earnest support to this movement.

Concerning the congenital sufferer, the most unfortunate of human kind, it is needless to say that he deserves as great consideration as the one born sound in body and mind. Carrie L. Grant[13] has well said that "The first great right of children is to be born well." That this is being generally recognized is shown in the agitation now going on in many state legislatures toward prohibiting the marriage of those suffering from certain specific disease. In many instances both the individuals afflicted and society at large would be benefitted could the temporal existence of such creatures be brought to an early termination. However, this right cannot be assumed by man. Nevertheless that this number in the future may be lessened, there is a means and that through the passage of a common law, state if not national, forbidding the marriage of the insane, the imbecile and epileptic, the inebriate, syphilitic, gonorrhoeic, and tubercular, until positive evidence of their cure exists for a specific term. No man or woman so afflicted has the ethical or legal right to give origin to offspring like unto themselves, with

all the misfortunes and limitations entailed. Michigan is a pioneer in having passed a law requirng a health certificate for marriage candidates; and New York is endeavoring to enact similar legislation. The citizens of Missouri, and especially the medical profession, should urge by our legislature, the enactment of such a law.

Such, gentlemen, are some of the means which either are being or should be resorted to for a changed environment and inheritance of the child. Along these and similar lines a continuous effort is necessary if we are to expect future generations to possess stable nervous systems; if we are to hope for a more ideal state of society, less dishonesty and graft, less vice, crime and disease, fewer mentally and nervously unbalanced. The profession of medicine, whose relations to patient, and to society in general, are rapidly enlarging, if not specifically changing, must give their cognizance to conditions as they exist, and lend their moral and active support to such remedial measures.

REFERENCES.

1. Caldo: La Progress Med. April 11th, 1903.
2. Lindsey, Benj.: Juvenile Court Records, 1905.
3. Jacobi: Therapeutics of Childhood.
4. Report: Department of Health, New York City, 1902.
5. Chicago Public Schools: Child Study and Pedagogic Investigation, 1899-1900.
6. Hall, C. Stanley: Adolescence.
7. Hall, C. Stanley: Adolescence.
8. Podstata: Of Cook County Infirmary.
9. Spratling: Epilepsy.
10. McKelway, A. J.: Address before National Child Labor Committee, 1905.
11. United States Census, 1900.
12. Adler, Felix: Address before National Child Labor Committee, 1905.
13. Grant, Carrie L.: Arena, 1903.

DISCUSSION.

Dr. C. R. Woodson, St. Joseph:—I have not a word of criticism to offer in regard to this splendid and highly scientific paper. All that I desire is to add emphasis to the many important points brought out. As regards transmissibility, it is conceded that the offspring of parents of a very ugly and ungovernable temper are in danger, as well as those of epileptics, alcoholics, syphilitics, etc. This is true also of the offspring of parents of low mental development who are brought up in a poor environment and under conditions where there is a lack of mental food. It does not mean that because there is an ancestral taint the child must necessarily become epileptic, or chronic, or possess any of the characteristics of the neurotic tree, but the child with an ancestral taint should have special training. We all know that

sometimes a child with a very strong neurotic history is exceedingly bright. Rote learning is exceedingly damaging to this child. If such a child shows a particular aptitude for mathematics, music, or any other study, this should not be over-developed at the expense of the other centers, but rather there should be a rounding out of the mind. That child in which there is a strong ancestral taint, whether or not nervous, should be taught to bear disappointment and should be taught to control its temper. There is no question but such children have been thrown into attacks of epilepsy by harsh or unjust treatment by parents or teachers or by neighborhood boys. Much depends upon environment. A suitable environment, diversion, sufficient rest and reasonable recreation are essential to a proper development. Overtaxing of the mind or body should be guarded against. The physician can do good by helping to select the avocation, or the profession, and especially should he advise against things that are depressing, and by teaching the child that nothing can be gained by anxiety. Nothing is gained by unnecessarily crossing such children. Many teachers demand that a thing be done simply because it has been said that it should be done, and not because it is necessary that it should be done

Dr. Wm. F. Kuhn, Farmington:—Heredity, environment and development are the three things we must consider in the development of the child's nervous system. Environment is the one thing of greatest importance in the moulding of the character of a degenerate child, but we can not get away from heredity. Degeneracy is on the increase and it is the degenerate child that must be guarded in its environment. Within the first five weeks of intrauterine life all the neurons are formed; from that time on it is simply a question of development of the elements of the nervous system. The moment this development of the elements of the neurons ceases we cease to develop. We know that the baby can not walk because the connections have not been fully completed, and when we take into consideration that from birth until six or eight years old the brain has grown from eight to forty ounces, we must appreciate the influence of environment on this development. If you have degenerate stuff to begin with, what kind of development are you going to get? Under the law of development it is the environment of the degenerate child that marks out its future course. The precocious child is a degenerate child and precocity is the mark that brands the child as such. The uric acid diathesis is nothing but degeneracy. There is no doubt but that our system of education, our foolish fathers and our foolish mothers, are making more degenerates every day by environment than result from intermarriages. If we would repeal the law against the marriage of healthy cousins and prohibit the marriage of idiots, drunkards, epileptics, ballot-box stuffers and boodlers, degeneracy would be on the decrease rather than on the increase, as it is now.

Dr. John Punton, Kansas City:—I endorse everything that Dr. Child has said. It is very refreshing to find young men reading papers of this character for I believe the trend of modern thought is toward prevention rather than toward attempting to cure existing diseases. But a few years ago the facts embodied in this paper were mere theories. In 1890 when I read a paper embodying theories, now facts, concerning marriage being governed by law and the necessity for medical inspection of schools, I was laughed to scorn by the men who heard it. They said it was splendid theory but poor practice. They thought it a practical impossibility to put these theories into practice, but I have seen some of the facts materialize into practice. I am sorry Missouri drags behind the lines in the matters of investigation referred to. Our school inspection is not what it should be. Today, while schools are being examined, it is largely along the line of prevention of contagious diseases. But that does not touch the gist of the matter. It is the development of the nervous system of the child that is vastly more important and there should be some attempt to classify children from a physical standpoint and recognize their needs. I think the day is not far distant when the State Medical Society will endorse just such theoretical inspection which will later become absolute facts in Missouri. Children are naturally prone to nervous diseases in our system of education and as a matter of fact, the higher the mental organization, the higher the nervous organization, the more susceptible they are to disturbances of the nervous system. There is no doubt that heredity, environment and education play an important part in the development. The theories of today are the facts of tomorrow and we are at the dawn of a new era.

Dr. Woodson Moss, Columbia:—We are all benefitted by this paper. It will go into our publication and be read by the subscribers who are not here. But is that all the benefit we can get out of such papers by such men as Dr. Child's? We talk about laws but we cannot get laws passed until we can get people to vote for them and we cannot get people to vote for these things until we get people educated up to that point. The county medical societies should take upon themselves the readin gof such papers as this before the members of the community in which they live. If Dr. Childs lived in my community I would see that he read that paper before the mothers and fathers of that community. If he would read that paper in my community before a crowd that I could get for him we would not have any trouble getting votes for some of the things we need. I make this suggestion to the profession of Kansas City. If I lived there I would see that Dr. Childs read that paper before the mothers and fathers of Kansas City that they might know what they are doing with their children. When the parents learn the truth about these things we will not need laws to drive out quackery and imposition.

The people will see we are on their side and we will get mighty close to them.

Dr. Childs, in closing:—I have little to add to what has been given in the paper, but I do wish to state that for the assured development of our children and for the welfare of future society, we must have a *stronger* government; one which will *enact* and enforce laws for a better environment. Of especial necessity is it that from general instruction, so universal in our public schools, individual training should be offered and given to most children. The cry of added expense should not be considered, for this would much more than be met by the lessened expense in caring for those who are diseased, deficient and delinquent, the number of whom would be greatly reduced.

APPARENT CERVICAL MENSTRUATION.*

BY T. C. WITHERSPOON, M. D., ST. LOUIS.

Menstruation from the cervix is not accepted as a normal occurrence. Vicarious menstruation from the cervix or tubes, because of their close relationship to the body of the uterus (anatomic and histologic) is a possible conception though I find no evidence in literature that any one has observed such an assumption of function. The so-called vicarious menstruation from other tissues of the body than the genital tract, is not vicarious action but depends upon the presence of a lesion which because of heightened blood tension, altered chemic nature of the blood or both, bleeds periodically.

In this communication I shall report two cases in whom an apparent vicarious menstruation at regular intervals occurs from short healthy cervices. Unfortunately both women live at a distance which makes it quite impossible to obtain a portion of the cervical mucous membrane during a period of flow. I wanted to present the microscopic findings at this time but hope the opportunity will be afforded me at some future time. I shall endeavor to give such parts of the history of each as bear directly upon the subject of this paper.

Mrs. A., 48 years old, the mother of four children, the eldest 22 years and the youngest 15, called upon me 5 years ago for relief. She suffered from pain in the lower abdomen, pelvis and back and from flatulence and constipation. Menstruation was regular but painful, being rather free and lasting 4 to 5 days. Examination revealed a retroflexed, sensitive uterus, thickened tubes and a pronounced cervical catarrh. Following an attempt to give relief through tampons and applications, I, in the fall of 1901, removed the tubes and fixed the

*Read before the St. Louis Medical Society, meeting of March 10, 1906.

uterus forward, attaching it to the anterior abdominal wall in accordance with the plan suggested by Olshausen and Kelly. Some improvement with gain in flesh followed the operation. Menstruation remained regular and became less painful. A little over a year ago she returned to me complaining of the former symptoms of bloating, pain in the pelvis and back, and of increased suffering—in every respect at the menstrual period. The uterus was still quite sensitive and was firmly attached to the abdominal wall; cervical discharge very annoying. I removed the uterus August 15, 1905, through an abdominal incision. The broad ligaments were clamped well down to the cervix upon either side and divided. The uterus was amputated by making a V incision into the cervix. The cervical mucous membrane was cauterized with 95 per cent. carbolic acid and the stump closed with catgut in two layers. The uterine arteries were closed by linen ligatures passed around them through the broad ligament. The ovarian and round ligaments were securely fastened to the top of the cervix by catgut suture. Healing was primary. Since the operation she has gained in flesh and feels much better. Immediately following the operation there was a bloody discharge from the vagina which lasted two days. The following month there was a menstruous flow and this has occurred regularly each month since. The character of the discharge is like that of normal menstruation; dark in color, without clotting, with very little odor. The amount has been about the same each time, requiring two napkins and lasting 24 to 36 hours. I made an examination on January 28th of this year and found a seemingly healthy cervix, not sensitive to touch and secreting a clear, viscid mucus. The canal measured ½ cm. in length and no bleeding followed the search made with a probe. There was no purulent discharge from the cervix and a careful inspection of the vagina revealed no lesion of that portion of the genital tract.

Mrs. B., 33 years old, is the mother of two children, one 8 and the other 4½. There were two abortions between the children. For 5 or 6 years she suffered from very severe backache. The uterus was large, retroflexed and painful to touch. Menstruation fairly regular and quite free. Glycerine tampons were temporarily helpful. Two years and a half ago I removed both tubes and fixed the uterus forward as in the first case. This gave relief until this past spring and summer when the backache became almost intolerable again. Menstruation had been regular though scantier since the operation. Examination revealed a large sensitive uterus firmly attached to the abdominal wall. I removed the uterus through an abdominal incision following the same technic used in the first case. Immediately after the operation there was a bloody discharge from the vagina which lasted several days. Since then the menstruous flow has appeared regularly each month lasting 36 to 48 hours and sufficient in quantity to

soil several napkins. It corresponds in appearance to a normal menstrual discharge. The cervix at present is normal in appearance and secretes a clear mucus. There is no leucorrhœa. The cervical canal is 2 cms. long, insensitive and does not bleed at touch of the probe. There is no open lesion of the genital tract.

These histories are very similar. Both women had the tubes removed some time prior to the hysterectomy. In removing the tubes neither the uterus nor ovaries were disturbed nor was their normal vascular and nerve connection interrupted. The utero-abdominal attachment was made in the usual manner but did not elongate into the delicate suspending filaments described by Kelly. The uterus in each case was firmly attached to the abdominal wall, and undoubtedly a constant irritation was kept up in its pulling upon the unyielding support.

The technic used in the hysterectomies was the same. All direct nerve and vascular connections between the ovaries and cervices were severed. The nerve branches from the hypogastric plexus and the plexiform network from the pelvic brain were severed as they passed from the cervices into the body of the uteri. This left the cervices with their rich, normal nerve supply. The blood through the ovarian and uterine arteries was shut off and the supply reached the cervices through other pelvic vessels. The ovaries were healthy and were left in their normal attachment to the broad ligament.

Amputation of the uteri was done in such a manner as to make the closure broad and complete; no permanent stitch material was used from which a chronic discharge might originate. The cervices at the present time are healthy. No vaginal lesion can be discovered from which a bloody discharge might take place. There is no abnormal descent of the uterus with a possible vascular engorgement. One of the women will soon cease menstruating on account of age.

I have two patients who have menstruated since supravaginal hysterectomy but sufficient corporal endometrium remains in each to account for it. In one the canal measures almost 4 cms. in length. The two cases reported in this paper have very short cervical canals and in all probability none of the corporal endometrium remains.

DISCUSSION.

Dr. Hugo Ehrenfest:—Hemorrhages from various sources are frequently observed after hysterectomy with or without extirpation of the ovaries. In Dr. Witherspoon's cases everything speaks in favor of the assumption that in these particular instances the regularly returning hemorrhage was a menstruation and this makes his cases unique. At first thought a menstruation from the cervix seems incompatible with our present conception of menstruation. The speaker cites the common text book definition of menstruation and proves that it is in-

correct in every point. Menstruation above all must be regarded a periodic wave in a woman's life, characterized by an increase of almost all functions, followed by a return to the normal state. This stage of return, as a rule, is marked by the appearance of a bloody discharge from the uterus. This hemorrhage undoubtedly is the most striking and obvious but not an essential symptom of menstruation. It is not by any means rare, that a normal function of the sexual organs, in the absence of a bloody discharge, is proved by the periodic appearance of the characteristic symptoms of this "wave" or by impregnation during the amenorrhoic state.

Up to a comparatively short time ago it was the general belief that only the mucosa of the uterus can "menstruate" and furnish a suitable nidus for an impregnated ovum. To-day it is well known that another portion of the Muellerian ducts, the tubes, not only can shelter a fertilized ovum, but also participate regularly in the function of menstruation. Histologic changes, characteristic of the so-called premenstrual state of the endometrium, are almost typically found in the mucosa of the tubes, and it is now established beyond doubt, that in the absence of an uterus the tubes may act as substitutes and actually "menstruate." And now as to the third portion of the Muellerin ducts, which through their coalescence form the cervix. Only of late positive proof has been advanced for a fact, which a few years ago would have been ridiculed, namely that the cervix takes active part in the nidation of the fertilized ovum. Not only the formation of a decidua is possible in the cervical mucosa, but there is no doubt left, that the placenta may even be attached to cervical mucosa. Why should this mucosa then *a priori* be considered incapable of participating in menstruation? Why should a mucosa which evidently takes part in pregnancy, not be able to substitute the function of the endometrium in the absence of an uterus, if the tubal mucosa, or almost every mucosa of the body, e. g., that of the nose, the stomach, rectum, or conjunctiva is fit to menstruate "vicariously" under certain still unknown conditions, evidently dependent upon the histologic structure of this particular mucosa? In the speaker's opinion the assumption of a cervical menstruation would not seem to be in conflict with our present ideas concerning menstruation. Careful histologic examination of the cervical lining of menstruating uteri is likely to reveal a frequent, possibly a typical participation of the cervical mucosa in menstruation, exactly as now established for the tubal mucosa.

Dr. George Gellhorn: The sterility of the literature on the subject is proof of the excessive rarity of the condition reported by Dr. Witherspoon. And yet, one wonders why analogous cases have not frequently been recorded. From a theoretical standpoint, at least, it should not be surprising to encounter menstruation *i. e.*, a periodical flow of blood from the cervix since we know that, in the absence or in-

activity of the uterus, true instances of vicarious menstruation have been observed from mucous membranes, such as conjunctiva, bladder and nose, which, in their histologic structure, bear no resemblance to the mucosa of the uterine cavity. Such vicarious menstruations have even been reported to occur from the outer skin. As regards the genital tract, the mucosa of the Fallopian tubes, at times, shows traces of true menstruation though it resembles the endometrium less than does the cervical mucosa. On the other hand, cervix, vagina and vulva participate in menstruation only by an increased secretion of mucous.

Why is it that we never observe menstruation in the cervix under normal conditions? To discuss this question, we must rapidly review the vascularization of the uterus and the processes which take place within the uterine mucosa at the monthly period. As you know, the uterine artery sends a number of branches into the muscularis of the uterus. These branches suffer a division at the border between the outer and the median layers of the uterine muscle, and each of these secondary branches undergoes a renewed division in the inner muscular layer, near the border of the muscosa. By this time, the resulting branches are rather fine. They ascend within the endometrium along the tubular glands, sending off capillaries which completely surround the latter, and after they have arrived beneath the epithelium of the mucosa, they form there another very dense network or fine capillaries. The number of venous capillaries and smaller veins is considerably smaller than those of the arterial system. In the premenstrual period, *i. e.*, about ten days preceding the flow, an ever increasing afflux of blood to the genital organs, and mainly to the uterus, takes place. The mucosa of the latter begins to swell, the glands become tortuous, the interglandular tissue appears looser and edematous, the dilated arteries of the muscularies carry an increased volume of blood into the mucosa so that the capillaries, both the deep ones around the glands and particularly the superficial ones beneath the epithelium, are distended *ad maximum*. When the distention reaches its height, the venous capillaries cannot carry off the increased blood supply, and both transudation from, and rupture of the very thin arterial capillaries takes place. *The flow of blood, i. e., the outward manifestation of the menstrual wave, is thus merely a question of disturbed mechanics.*

The vascularization in the mucosa of the cervix differs widely from that of the endometrium in that (1) the arteries and veins and their capillaries have very much thicker walls, (2) that there are fewer arteries and veins, and (3) that the network of capillaries is less developed than in the endometrium. Therefore the veins can well carry out their function in spite of the increased blood supply. The active congestion in the cervix can never be as great as in the uterine cavity. Moreover, the vessels themselves are more resistant. *This, then, is the*

reason why menstrual bleeding does not take place from the cervix. This, at least, is my personal view after having studied the works of Waldeyer, Nagel and especially the excellent monograph of R. Freund.

The conclusion seems permissible that the same explanation may be applied to the numerous instances in which, as in Dr. Witherspoon's cases, after supravaginal amputation the cervix has been left behind. The anatomical structure of the latter, as I have endeavored to show, excludes menstrual hemorrhage. But here another factor comes into play. It has been observed beyond doubt that even healthy ovaries, after extirpation of the uterus, undergo atrophy within a relatively short time. If this be the case, the function of the ovary will grow less distinct, in other words, the stimulation from the ovary which causes the menstrual afflux of blood to the pelvic cavity, will grow weaker, and consequently the afflux of blood itself will gradually diminish. If this be true, two reasons exist which would satisfactorily explain the absence of menstruation from the cervix after supravaginal amputation of the uterus, *viz.*, (1) the peculiar structure of the cervix, (2) the diminished energy of menstrual afflux.

Should we not be justified in applying these arguments—in the way of an explanation—to the interesting observation of Dr. Witherspoon? There seems to my mind nothing illogical in assuming that his cases menstruated from the cervix, (1) because in these particular cases the vascularization of the mucosa cervicis was anomalously rich; the walls of the capillaries unusually thin; and the network of the latter exceptionally well developed; (2) because in these particular cases the ovaries did not atrophy and, by exerting their full influence upon a mucous membrane which was nearly identical with the uterine mucosa, produce a like affect, namely, true menstruation.

Dr. Walter B. Dorsett:—My object in rising this evening is to put on record one case which is one of two or three that I have noticed, the condition following a supravaginal amputation of the uterus. Mrs. R. J. M., was operated upon May 25th, 1904. A supravaginal hysterectomy was done, with removal of both tubes, both ovaries and the uterus. This woman has menstruated from the cervix regularly until January 6th, 1906, when she did not menstruate. She menstruated again February 1st to 6th. I have another case upon which I operated December, 1901, in which I removed both tubes and ovaries and left the uterus. This woman menstruated June 10th, 1904, for five days, November 18th, for five days, December 22nd, three days from August 2nd, 1905, five days from Sept. 30th, five days from October 17th. This patient has menstruated irregularly for four and a half years. The first case of this kind that came under my observation was a young woman in the Female Hospital, in 1888. She had had both ovaries removed. She was menstruating when she entered the hospital and as there was an abdominal scar and she said that Dr. Engleman

had operated upon her, I called him in and he was amazed. Tait claimed that the tubes had something to do with the function of menstruation. As Dr. Ehrenfest says, the textbooks say that menstruation is a periodical flow occurring once in twenty-eight days. We know that it is not only this but something more. They say it is composed of mucous, epithelium and blood probably because it comes from the uterus. They say that where the ovaries have been removed menstruation ceases. I know of one case where the ovaries have been removed and the patient has a flow of blood regularly from the rectum.

Dr. Glasgow has a patient whom he has to bleed every twenty-eight days because she has this periodic congestion. After a woman has menstruated for a number of years, when the ovaries are removed this habit continues, though probably not regularly. I know of one case I operated upon who later fell into the hands of Dr. Gellhorn. I am positive I removed those ovaries, but she is still menstruating.

Dr. F. J. Taussig:—There are a number of factors that would lead us to expect a menstruation from the cervix. The cervix as well as the fundus comes from the same Mullerian tract. Again, the character of the epithelium is not constant, we may have squamous epithelium in the fundus and cylindrical epthelium in the cervix. Again we may have decidua formed in the cervix. Last May I presented a case of pregnancy where the uterus had been removed. The decidua extended to a point 1¼ inches below the internal os. Again we know that the placenta has been attached upon cervical tissue. In the *Monatschrift*, volume xx., of last year, Keitler reported a case of supravaginal amputation, one tube and ovary having been removed. The patient continued to menstruate regularly every month, the flow lasting two days instead of the usual four days. In this case there could be excluded any pathological condition of the cervix and there were no nervous disturbances such as occur at the artificial menopause. Keitler does not mention this as the only case he knows of menstruation from the cervix and I believe we will find that other cases have been mentioned in literature. The trouble is these cases are tucked away under some other head. This one was mentioned in the description of the conditions following supravaginal operation for myomatous uterus. Von Steinbuchel mentions an interesting case of tubal menstruation. When the uterus is present the bulk of the evidence points to the fact that no menstruation occurs from the tube except in the presence of some pathological condition of the uterus.

My impression was that the blood pressure was not highest at the beginning of the menstruation, but that the day before the bleeding commenced there was a sudden drop in the pressure and during the day preceding the onset of menstruation it was low. As to Dr. Gellhorn's view that the distribution of the bloodvessels is the cause of the bleeding from the uterus instead of the cervix, we know that when the

uterine artery is tied the most important blood supply of the ovary is taken away. Now it suggests itself that in this case the main artery was not tied off, therefore not only did the cervix get a good blood supply, but the ovary also. I hope Dr. Witherspoon will be fortunate enough to obtain some of the mucosa from this case and that he will be able to watch the patient through the menstruation. I think it is important that not only the patient's word be taken, but that the physician know positively that the blood is coming from the cervix. Again, it would be of advantage to know that the mucosa of the cervix is cervical mucosa.

As to Dr. Dorsett's case, he does not mention the size of the canal; if he knew the exact length of the canal it would add weight to the report of the case. There are a number of cases of a third ovary being present and the assumption that menstruation takes place without any ovary being present is not proven except by clinical facts, and these are not enough.

Dr. Davis Forster:—Hallman showed that after taking out the ovaries there was an atrophy not only of the uterus but also of the breasts. After the removal of the ovaries we have the artificial menopause. Robt. Morris of New York, proved that menstruation could be reestablished. He engrafted the ovary of a woman of eighteen into the cul-de-sac of a woman of 30 who had had ovaries removed and had ceased to menstruate two years before, with the result that he established a resumption of the menstruation. Hence, one function of the ovary is that of throwing off the ovum, beginning earlier in life and continuing later than menstruation, the other function is to throw into the blood current an internal secretion and this secretion is the cause of menstruation. Therefore, Dr. Witherspoon having left within the abdomen two ovaries doing their normal work, it was right and proper that this woman should menstruate because of the presence in her blood of the ovarian secretion which caused a heightened blood pressure. Had he removed the cervix and left the ovaries functionating, she would have menstruated from some other mucous membrane.

Dr. Gellhorn:—Were the uterine mucosa not constructed as it is, internal secretion of the ovary and the wave-like fluctuation of the female organism could not produce any regular flow of blood. This is the point that I intended to emphasize. Inasmuch as the cervical mucosa is constructed differently from the uterine mucosa, menstrual bleeding does not and can not occur, except in rare cases where this difference in the histologic structure is less pronounced or entirely absent. The only proof needed would be a section through one of these cervices, and a glance through the microscope. So long as this last proof is not furnished, I admit that my explanation also remains theoretical, but my views are, at least, based, upon known facts, and

not upon uncertain clinical observation, hypothetical habits of bleeding, and the vague theory of vicariation. It is not generally appreciated that instances of true vicarious menstruation are excessively rare. If the views held by Dr. Dorsett and Dr. Murphy were correct, we would find vicarious menstruation in the large number of cases of supravaginal amputation of the uterus, where one or both normal ovaries have been left behind.

Dr. Dorsett:—I would ask Dr. Ehrenfest whether he believes that the menstruation as described in Dr. Witherspoon's case is a true menstruation.

Dr. Ehrenfest:—Yes, I believe so.

Dr. Witherspoon:—I wished to make clear just what had been done. The cervix was closed completely with catgut in two rows, giving a broad apposition. There was no apparent disease of the cervix. The secretion was quite normal. These patients tell me that the menstruous discharge occurs regularly lasting twenty-four to thirty-six hours in one case and in the other thirty-six to forty-eight hours. When I removed the uterus no damage at all was done to the ovary. Unfortunately I cannot keep the patients under close observation. I would like to know whether the bloody discharge occurs at the moment of greatest blood pressure or whether, as shown recently by an article in the *Johns Hopkins Bulletin*, just after it has fallen. If we could prove that these bleedings occur after the drop in blood pressure it would be clear then that they are not due to the blood pressure but to specific endometrial function.

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EDITORIAL.

THE ST. LOUIS MEDICAL LIBRARY ASSOCIATION.

The seventh annual report of the librarjan of the St. Louis Medical Library shows that during the past year there have been added 3,315 volumes, making the total number of bound volumes 8,647. Of these 1,800 were loaned by the St. Louis Public Library and the remainder are contributions from individuals.

In addition to the bound volumes the library receives 137 medical journals, an increase of eleven over last year. The indexing of the original subject matter contained in the medical journals has been continued and extended, thus materially increasing the usefulness of the library. Seventy-five of the journals are thus indexed.

Since the report of the librarian was submitted we learn that the St. Louis Mercantile Library has transferred all of its medical books to the St. Louis Medical Library. This donation adds 1,700 volume to the number mentioned above, making the total number of bound volumes 10,347.

Additional floor space will be needed to afford shelf room for the rapidly increasing number of books and arrangements are under headway whereby the third floor of the building will be remodeled and utilized for preserving the books.

The association is composed of 184 members, a comparatively small number which it is hoped will increase rapidly.

ERRORS IN LIST OF DELEGATES.

In the published proceedings of the last annual meeting the following counties should have been credited with representation in the House of Delegates as their delegates were present: Camden County.

Sherman Mills, Delegate; Harrison County, A. H. Vandivert, Delegate; Ralls County, T. J. Downing, Delegate; Schuyler County, W. F. Mitchell, Delegate.

Such omissions render the proceedings incomplete and cause dissatisfaction. We suggest that every delegate be furnished with credentials signed by the president and the secretary of the county society. This certificate if deposited with the state secretary at any time during the meeting will obviate errors in making up the list of delegates in attendance.

RE-ORGANIZATION OF SULLIVAN COUNTY.

Sullivan County Medical Society was re-organized at a meeting held on June 26th. It was decided to hold meetings quarterly but we hope this will be changed soon so that meetings will be held once a month. The enthusiasm manifested at this meeting is a promise that the members of Sullivan County Medical Society do not intend to allow their organization to fall behind in its work in the future. Dr. W. L. M. Witter was elected president, and Dr. J. S. Montgomery, secretary.

COMMITTEE ON PUBLIC HEALTH AND LEGISLATION.

Below we publish a synopsis of the proceedings of the committee on public health and legislation at a meeting held in St. Louis, July 10th, in which the representatives of the various county societies participated. Some of the questions considered at this meeting require prompt attention on the part of the county societies.

A new bill on criminal abortion should be introduced at the next meeting of the legislature. The St. Louis Medical Society, having employed competent legal authority to draft a bill covering this law, the committee requested that copies be furnished its secretary who will send them to the affiliated societies for their approval; the bill will then be presented in both houses of the legislature as a measure coming from the State Medical Association. Other bills should be introduced, such as a bill limiting to one year the time in which action may be brought against physicians for alleged malpractice, a pure food bill and a new medical practice act. At present there is no provision for preserving a record of the vital and mortuary statistics of the state. Such statistics are of great importance not only from a medical standpoint but because they furnish positive data on the birth and death of the inhabitants which can be employed as evidence in the courts when necessary. A board of examiners separate from the state board of health is strongly urged. The establishment of county health boards received considerable attention but no definite

conclusion was reached as to the best manner of making these appointments.

These are subjects for consideration by the county societies before the legislature meets. Action should be taken and, through the member of the legislative committee of each county society, means should be proposed which seem best suited to accomplish the end desired. We hope the members will read the following report very carefully and bring up these questions in the county societies at the first opportunity.

Meeting of the Committee on Public Health and Legislation, Conjointly with Representatives from the County Medical Societies Appointed to Confer with the Committee. Southern Hotel, St. Louis, July 10, 1906.

The meeting was called to order by the Chairman, Dr. Lutz, at 10 a. m. The following members were present: Of the Committee, Drs. Lutz and Pearse. Of the county society representatives: Drs. Bonham, Howard county; Cuppaidge, Randolph county; Highsmith, Carroll county; Powell, Howell county; Crowson, Nodaway county; Nichols, Callaway county; Poston, St. Francois county; Thrailkill, Jackson county; Prentis, Cass county; Cave, Audrain county; Norwine, Butler county; Van Meter, Barton county; Austin, Chariton county; Addington, Grundy county; W. P. Smith, Lincoln county; Baysinger, Phelps county; Holtzen, Benton county; Harris, Lawrence county; Grim, Adair county; Cozzens and Newberry, Madison county; Chapman, Mississippi county; Craig, Vernon county; Nicholson, St. Louis city; Redman, Platte county; Allee, Miller county; Fassett, Buchanan county; Seba, Gasconade-Maries-Osage counties; Pitman, St. Louis county; Bell, St. Clair county; Moss, Boone county. Others present, from the state board of health: Drs. Thatcher, Adcock, Armstrong, Goodier, Hamel. Visitors: Drs. Bartcher, Moore.

CRIMINAL ABORTION.

On motion, Dr. Nicholson, of St. Louis, was requested to present such measures as the St. Louis Medical Society had agreed upon.

Dr. Nicholson said the St. Louis Medical Society had employed attorneys to draft a bill on criminal abortion; and that bills on a pure food law and on medical practice were also under consideration. Dr. Pearse moved that copies of the bill on criminal abortion now being prepared for the St. Louis Medical Society be obtained and sent to the various county medical societies for their consideration and endorsement, with the request that the county society take action at the first opportunity and return the bill to this committee before the first of October. Carried.

MEDICAL PRACTICE ACT AND STATE BOARD OF HEALTH.

Dr. Nicholson moved that proper legal authority be employed to draft bills, one a pure food bill and another on medical practice. Carried.

The Chair stated that the medical practice act should be amended so that the fees obtained from young men taking the examinations for a license to practice should not be drawn upon for the maintenance of the state board of health; and if the state board of health was of value to the state the expenses for maintaining it should be paid out of the state treasury. He said also that there should be a separate board appointed for the examination of applicants to practice medicine.

Dr. Goodier suggested that this body ask the Homeopathic and Eclectic physicians to meet and confer with the committee in the preparation of these laws.

The Chair said there should be some legislation enacted whereby the medical profession will become a more important factor in directing the public health of the state and that the county societies should take up the consideration of the question of what can be done in this respect.

Dr. Thatcher suggested that some provision be made for remunerating the members of the state board of health and if a new bill is drafted this provision should be incorporated in it.

Dr. Pearse said the question of having the state medical association suggest to the Governor the names of the members of the state board of health should be considered, the idea being to furnish a list of names consisting of one from each congressional district for each vacancy on the board.

Dr. Thrailkill was in favor of a law similar to the California law.

BOARD OF EXAMINERS.

Dr. Thrailkill thought there should be a separate board of examiners, the state board of health to look after sanitary matters and the examining board to examine applicants to practice. The members of the state board of health should have the endorsement of the State Medical Association and that association should elect the members of the board of examiners, divided between the different schools.

Dr. Baysinger thought it would be well to have a re-registration of all physicians in the state, issuing licenses only to those who could pass the examination.

Dr. Adcock said that part of the medical practice act should be repealed which provides for applicants to practice medicine without a diploma.

PURE FOOD LAW.

Dr. Bartscher asked that the State Medical Association work in harmony with the joint pure food commission and read the following communication:

Chairman and Members of the Committee on Public Health and Legislation of the State Medical Association:

Gentlemen:—The Joint "Pure Food" Committee, appointed to draft and have introduced in the next session of the Missouri Legislature a "Pure Food" bill, hereby respectfully request that your committee place itself on record as favoring "Pure Food" legislation in general and endorse the action of the North St. Louis Citizens' Association and the other associations represented on our joint committee, in particular.

That you advise the association you represent, to request the members of the county medical societies to instruct the general public as to the advisability and urgent necessity of such legislation so as to arouse in the people an interest in the subject.

And, finally, that when the bill has been introduced in the Legislature of our state, if its provisions meet your approval, you and the organization you represent co-operate with the Joint "Pure Food" Committee in securing its passage.

Respectfully,

H. W. Bartscher, M. D.

Chairman, Joint "Pure Food" Committee.

WHISKEY PRESCRIPTIONS.

Dr. Newberry moved that it is the sense of this meeting that the law which passed the Senate be asked for by the physicians of this state at the next meeting of the general assembly and that it be incorporated in the law. Carried. The law reads as follows:

DRUGGISTS AND THEIR LICENSES.

An act to amend chapter 23 of the Revised Statues of Missouri, 1899, in Relation to Druggists and their Licenses by adding a new section thereto, to be known as section 3048a.

Section 1. Druggists to file copy of prescription for intoxicating liquors, etc.

Be it enacted by the General Assembly of the State of Missouri, as follows:

Section 1. That chapter 23 of the Revised Statutes of Missouri, 1899, be and the same is hereby amended by adding a new section thereto, to be known as section 3048a, to read as follows:

Section 3048a. Every druggist, proprietor of a drug store or pharmacist shall, on the first Monday of each and every month, file with the county clerk of the county in which he is doing business, a

copy of all prescriptions containing twenty per cent. or more of alcohol or intoxicating liquors compounded by him or those in his employ during the preceding month, and said copies of said prescriptions shall be accompanied by an affidavit of the druggist, proprietor of a drug store or pharmacist stating that said copies so filed are true, and are copies of all such prescriptions filed by him or those in his employ during the preceding month; and on failing, neglecting or refusing to do so, shall be deemed guilty of a misdemeanor, and on conviction shall be punished by a fine not less than fifty dollars nor more than two hundred dollars.

Failing to secure the above, he suggested the following:

An act to amend Article 1 of Chapter III of the Revised Statutes of the State of Missouri of 1899, entitled "Health, Board of," by adding a new section thereto, to be known as section 7529b.

Section 1. State Board of Health to examine and make copies of prescriptions, etc.

Section 2. Violation—punishment.

Be it enacted by the General Assembly of the State of Missouri, as follows:

Section 1. That Article 1 of Chapter III of the Revised Statutes of Missouri of 1899, entitled "Health, board of," be and the same is hereby amended by adding a new section thereto, to be known as section 7579b, and which section shall read as follows:

Section 7579b. The state board of health, or any member thereof, is authorized and empowered to visit and examine the prescription files of each and every druggist, proprietor of a drug store or pharmacist doing business in the State of Missouri.

And said state board of health, or any member thereof, may make copies of any or all prescriptions compounded by said druggists, proprietor of a drug store or pharmacist, said copies to be used by said state board of health in any manner it may deem fit and proper. And any member of said state board of health shall have the power to administer oaths to any person whose testimony may be required in the examination or copying of said prescriptions.

Section 2. Any druggist, proprietor of a drug store or pharmacist refusing to permit an examination or copy to be made of said prescriptions as provided in the preceding section, shall be deemed guilty of a misdemeanor, and on conviction shall be fined not less than one hundred nor more than five hundred dollars.

COUNTY POOR FARMS.

Dr. Highsmith stated that the poor farm in his county was in a deplorable condition and that no law existed under which relief could be obtained. He suggested that a law be passed by which county courts would be authorized to order the issuance of bonds,

or such other means as might provide funds for restoring poor farms. Representatives from several other counties complained that a similar condition existed in their districts.

The Chair stated that our JOURNAL exists for the very purpose of agitating just such questions and suggested that Dr. Highsmith have the subject properly presented and forward the matter to the editor of the JOURNAL. In this way it will be placed before the members of the association and arouse discussion from which may come relief.

COUNTY HEALTH BOARDS.

Dr. Addington said the present law for the appointment of county boards of health should be amended so that the county medical societies shall appoint or name the county health officer, or have that officer under the supervision of the county medical society.

Dr. Smith, of Troy, thought the county health officers should be appointed by the state board of health and be under the supervision of that body.

Dr. Seba thought the coroner should be the county health officer also.

Dr. Van Meter and others were in favor of the state board of health appointing the county board, the latter to consist of three members.

Drs. Thrailkill and Smith said the county medical society should endorse the members of the county board before they were appointed.

Dr. Highsmith said his county had a very efficient medical man on the county board of health and the present system seemed to work very satisfactorily.

Dr. Norwine thought the county health officers should be appointed by the state board and receive appropriate remuneration for their services.

Dr. Fassett thought there might be friction in having bills paid if the appointing power was taken away from the county and put in the hands of the state board of health or elsewhere.

Dr. Graham thought the average county court had a good idea of who would be an efficient man to appoint as health officer and believed the present law should stand.

Dr. Van Meter said the county court very often showed poor judgment in the selection of health officers. He instanced a case in which a health officer appointed by the court was a very ignorant and incompetent person. He was in favor of the state board of health appointing the county health officer with the recommendation of the county medical society.

Dr. Highsmith said there was little difference between the county medical society recommending the health officer to the county court

or to the state board of health. The courts as a rule are an intelligent body of men and usually appoint good men but they would not appoint any one out of harmony with themselves.

A vote was taken upon the three views, resulting as follows: For having a county medical society recommend or appoint the health officer, ayes 5.

For having the state board of health recommend or appoint three men as the county board of health, ayes 18.

For having the present law stand as it is, ayes 2.

Attorney Frey suggests that the board consists of the county clerk, the coroner and a physician appointed by the state board of health. Make a statutory provision compelling these boards to organize in each county, make it obligatory upon the county to pay their bills. The present law is weak, because the county court both incurs expenses and pays all bills and is criticised on account of the expense.

HEALTH OFFICER IN ADMINISTRATION.

Dr. Moss said we should begin to look forward to having a medical officer in the administration of our state government—a department of public health and hygiene.

VITAL AND MORTUARY STATISTICS.

Dr. Adcock suggested that a bill be drafted providing for an adequate system of collecting the vital and mortuary statistics of the state.

Dr. Seba said he had given this subject considerable thought and suggested that it be made the duty of the assessor in accordance with the following:

"It shall be the duty of the assessor of each county, at the time he is listing the taxable property of the county, to enumerate the births and deaths that may have occurred during the year just preceding the first day of June, and have the same recorded in the county clerks' office, such records to be known as the Vital and Mortuary Statistics of the County in which they occur; and the assessor shall receive the sum of five cents for every such report thus filed and recorded. It shall be the duty of the state board of health to furnish each assessor throughout the state with suitable blanks for the taking and recording of births and deaths, and it shall be the duty of every licensed physician, midwife, undertaker or other person, when called upon by the assessor, to give additional facts concerning the birth or death of which said person asked shall have knowledge of, when such facts shall make such report of more scientific value. All laws in conflict herewith are hereby repealed."

Dr. Allee thought the law which formerly was in force might be tried again allowing a fee for every report made.

The report should be made to the county clerk and the record kept on file in his office.

Dr. Pittman said we would have difficulty in enforcing any laws until we had educated the people to a knowledge of the benefit to them which these laws carried. He believed that most physicians, like himself, through neglect and carelessness had ceased making these reports.

PATENT MEDICINES.

Dr. Nichols called up the motion of the house of delegates relative to the bill recommended by *Collier's Weekly* and the *Ladies' Home Journal* and asked what action was to be taken.

Dr. Moss moved that the editor of the JOURNAL be requested to ask the editors of *Collier's Weekly* and of the *Ladies' Home Journal* what steps have been taken toward securing the passage of the laws recommended by them concerning patent medicines and nostrums. Carried.

SUMMARY.

There was some general talk along all the lines discussed.

A suggestion from Dr. Thrailkill that this committee meet once every year met with very general approval.

Dr. Moss moved that the editor publish in the JOURNAL such part of the proceedings as was decided after conference with the Chair to be appropriate for publication.

EXAMINATIONS BY STATE BOARD OF HEALTH.

The next meeting of the Missouri State Board of Health for the examination of applicants for license to practice medicine and surgery will be held in St. Louis, Mo., on August 8th, 9th and 10th, at Barnes Medical College, beginning at 9 a. m. Midwives will be examined on the 10th.

A RESOLUTION.

At the Boston session of the American Medical Association, the following resolution was introduced by Dr. E. Eliot Harris, of New York, and on motion of Dr. C. E. Cantrell, of Texas, was unanimously adopted:

"Resolved, That the Committee on Publication of the journals of medicine published by the State Medical Associations affiliated with this body, be asked to assist the Board of Trustees in their efforts to suppress the advertisements of medical nostrums and to co-operate in the work of securing pure food and pure drug laws in the United States."

OBITUARY.

CHARLES LESTER SPAULDING, M. D.

Dr. Charles Lester Spaulding, of Kansas City, met his death suddenly on June 24th by falling through the elevator shaft in the Argyle building.

Dr. Spaulding was born in North Adams, Mass., 36 years ago. He received his degree of Bachelor of Arts from Williams College in 1890, and A. M. and M. D. degrees from Harvard in 1897, and M. D. diploma from Bellevue Hospital, New York, in 1898. He was head surgeon of the Massachusetts hospital ship during the Cuban war and had charge of the Red Cross hospital ship in the Venezuelan revolution. He was professor of orthopedic surgery in the Kansas University.

The following resolutions were unanimously adopted by the Jackson County Medical Society at a special meeting held on July 12th:

"Whereas, Dr. Chas Lester Spaulding, a loyal member of this society, has been removed from us by an accident that resulted in his death; therefore be it

"Resolved, That the Jackson County Medical Society and the State, have sustained an irreparable loss in his death by virtue of his high achievements already attained, while owing to his youth and ambition his future was rich in promise—for the morning of his professional life was not yet in sight of its noon: added to all this was an unimpeachable moral character;

"Resolved, That the severance of his relations as a citizen also entails a great loss to the city, county and state in which he resided;

"Resolved, That sadness is added to his tragic death because of his marital relations which he was soon to assume;

"Resolved, That a copy of these resolutions be spread upon the minutes of this society, and copies be sent to his bereaved family and relatives; and that the members of the Jackson County Medical Society in a body attend the funeral services of their departed friend and brother."

COUNTY SOCIETY NOTES.

CALDWELL COUNTY MEDICAL SOCIETY.

Caldwell County Medical Society met at Kidder on July 11th with a fair attendance of members.

Dr. DeLamater read a paper on "Pulmonary Emphysema." Dr. W. S. Shouse read a paper on the "Importance of Early Diagnosis of Tuberculosis;" Dr. L. J. Eads, "Cholera Infantum," and Dr. J. M. W. Cannon, "The Management of Abortion." Dr. G. W. Grove, of Kansas City, was a visitor and reported a case of "Obscure Pyemia of Uncertain Origin." Dr. G. M. McConkey, of Mirabile, was elected to membership. The following officers were elected for the next year: President, Dr. W. T. Lindley, vice president, Dr. H. DeLamater; secretary, treasurer and reporter, Dr. Tinsley Brown; censors, Drs. J. M. W. Cannon, W. S. Shouse and C. C. Leeper.

The next meeting will be held at Hamilton on October 3rd and Daviess County Medical Society will be invited to meet in joint session.

TINSLEY BROWN, M. D., Reporter.

CARROLL COUNTY MEDICAL SOCIETY.

MEETING OF JUNE 13TH.

Regular monthly meeting was held at Carrollton, on June 13th. The morning session was devoted to reporting clinical cases and the discussion which followed their presentation was full of benefit and interest to all. The society took up the matter of improving the condition of the county infirmary. A committee consisting of Drs. Cooper, Highsmith and Cook was appointed to wait upon the county court and devise ways and means through which to bring this subject before the public with the view of securing the funds necessary for the more humane treatment of our county poor.

The afternoon session was made interesting by a discussion of the subject "Summer Disorders of Children." Several cases were reported.

MEETING OF JULY 11TH.

The July meeting was held at Hale, the local profession receiving the members with a hearty welcome.

The morning session consisted of a general discussion on clinical cases reported by various members.

In the afternoon the subject of fracture was opened for general discussion and many cases were reported.

The report from the committee appointed to investigate the con-

ditions of the county poor house was submitted and received. The committee reports the poor house in a very deplorable condition, unfit for use and a disgrace to Carroll County. A conference with the county court was barren of results except to emphasize the fact that there was no law under which the court could act in order to institute measures for the improvement of the conditions at the county poor farm. Our society has determined to spare no effort toward remedying this state of affairs in our county. A legislative committee of four has therefore been appointed to work in conjunction with the board of health and take the matter before the state legislature with the view of obtaining relief by act of the general assembly.

The next meeting will be held at Carrollton on August 8th.

R. M. Miller, Reporter.

CASS COUNTY MEDICAL SOCIETY.

The regular meeting convened at Harrisonville on July 5th with nearly one-half of all the physicians in the county present. The papers read at this meeting were as follows: Hysteria, by Dr. H. S. Prentiss; Intestinal Disorders, by Dr. G. M. Anderson; A Fee Bill by Dr. B. E. Dawson: Syphilis in the Kneejoint, by Dr. H. A. Brierly; Cystitis in the Old Man, by Dr. Herman E. Pearse of Kansas City. These papers were well received, general discussion following the reading of each one.

Dr. M. P. Overholtzer and Dr. J. S. Triplett, respectively councillor and delegate, read their reports from the Jefferson City meeting of the State Association. Reports were full of encouragement for the members to continue in the work of maintaining our organization and showed the good that is being done in Missouri through the efforts of a united profession. Dr. Pearse spoke of the work which the committee on public health and legislation expected to accomplish this winter in the general assembly and asked for the co-operation of Cass County Society. Dr. Jerard of Pleasant Hill was selected to represent our Society at the meeting of this committee in St. Louis on July 10th.

Four new members have been enrolled, viz., Dr. R. M. Smith, R. H. Burney, D. W. Conger and Mart Hammond.

Twenty-one physicians were present at the meeting which was probably the most interesting one that we have held since our organization in 1902. Interest in the society is extending throughout the county and we predict that every qualified physician in Cass County will become a member.

W. F. Chaffin, Reporter.

CLINTON COUNTY MEDICAL SOCIETY.

Clinton County Medical Society met at Plattsburg on June 5th with a full attendance of members. Dr. B. W. Ray, delegate to the state meeting, reported on the work done at the meeting of the State Association at Jefferson City. Dr. John Sturgis gave a short talk on society organization and Dr. J. W. Winn made some interesting remarks on the subject of requirements of delegates. Dr. G. B. Rush read a paper on acute diarrhoea which was freely discussed. Dr. E. A. Colley read a paper on the choice of an anesthetic which brought out a very general discussion. Drs. P. M. Stechman and J. W. Winn were appointed to read papers at the next meeting.

E. A. Colley, M. D., Secretary.

COOPER COUNTY MEDICAL SOCIETY.

Cooper County Medical Society met in regular monthly session at Boonville on July 3d. Eleven members present.

Clinical cases presented for discussion were as follows: Dr. E. M. Allee reported a case of multilocular cyst of the uterus which was expelled from the uterus intact after pains resembling labor pains. Dr. A. J. Smith presented a specimen of fibroid of the uterus. Dr. W. H. Elliott reported a case of senile gangrene of the foot. All members present took active part in the discussion of the cases and the specimen presented.

The board of censors having reported favorably upon the application of Dr. W. H. Elliott, of Bunceton, he was elected to membership.

The joint-meeting of the Howard-Boone and Cooper County Medical Societies was brought before the Society and it was decided to hold the meeting in Boonville, July 20th. The secretary was directed to inform the secretaries of Boone and Howard as to the time and place of meeting.

The name of Dr. W. A. Nelson of Bunceton was presented and referred to the board of censors.

The next meeting will be held at Bunceton on the first Tuesday in September.

John R. Lionberger, M. D., Secretary.

HOWARD COUNTY MEDICAL SOCIETY.

MEETING OF JUNE 1ST.

Howard County Medical Society met in the office of the secretary at Fayette on June 1st, eight members being present. Drs. Moore and Wright gave a very interesting talk on the treatment of syphilis which was followed by a very general discussion.

Dr. C. B. Burguin was elected to membership in the society. The society heartily approved the new officials of the State Medical Association and the State Journal.

MEETING OF JULY 6TH.

Howard County Medical Society met at Glasgow on July 6th. Eleven members were present. The cases of exophthalmic goitre, orchitis, Bell's Paralysis and hemiplegia were presented and aroused a very interesting discussion.

Howard County Medical Society accepted the invitation to meet with Boone County and Cooper County on July 20th. Dr. B. Q. Bonham was appointed to represent this society at the meeting of the committee on public health and legislation in St. Louis on July 10th. The society heartily endorsed the report of the committee on public health and legislation as printed in the July issue of the Journal, favoring a board of examiners separate from the state board of health and the state to pay all the expenses of the state board of health.

C. W. Watts, M. D., Reporter.

KNOX COUNTY MEDICAL SOCIETY.

At the regular meeting of the Knox County Medical Society, held on July 2nd, Dr. L. S. Brown opened the discussion of Infantile Diarrhoea. He was followed by Dr. J. W. Northcutt.

The Beard method of treatment of cancer with Trypsin was discussed and one case reported by Dr. Northcutt. He with others mentioned abscess formation as an objection to the treatment.

Dr. Jurgens, delegate at the Jefferson City meeting of the State Association made his report to the society.

H. Jurgens, Secretary.

LAFAYETTE COUNTY MEDICAL SOCIETY.

Regular meetings of this society are held every other month, the last meeting on July 10th, at Higginsville. The attendance at this meeting was the largest in our history. A very general feeling of interest in the welfare of the society was manifest and we believe that in a very short time we will have every reputable physician in our county on our roll of membership. Dr. Tiffany of Kansas City was a guest at this meeting and presented a very interesting and instructive clinic. It was decided to have all meetings at Higginsville.

C. T. Ryland, Secretary.

MISSISSIPPI COUNTY MEDICAL SOCIETY.

MEETING OF JUNE 11TH.

The regular session was held in Charleston, on June 11th. Report of the committee on the application of Dr. J. W. Lynch being favorable, Dr. Lynch was elected to membership. On motion the by-laws were amended as follows: The regular meeting shall be on the first Monday of each month, the hour and place of meeting to be ordered by the president. On motion the following resolution was adopted: Resolved that the members of the Mississippi County Medical Society refuse to make any life insurance examinations for less than $5.00. In addition to this resolution the following amendment was adopted: Resolved that the members of this society charge an additional mileage fee of 50c. per mile during the day and $1.00 per mile at night for all insurance examinations made in the county. Dr. A. W. Chapman was elected to represent Mississippi County Medical Society at the meeting of the committee on public health and legislation on July 10th.

MEETING OF JULY 2ND.

Regular meeting was held on Monday, July 2nd, at Bertrand, seven members being present. Dr. A. W. Chapman presented a paper on abortion in which he reported a number of cases treated by the plan outlined by him, all resulting favorably. Discussion was freely indulged in by the members present.

A special meeting will be held on September 3rd, and Dr. W. F. Kuhn, superintendent of the state asylum No. 4, Farmington, Mo., has been invited to deliver the address. Members from adjoining counties have been invited to attend. The next regular meeting will be held in Charleston, on August 6th.

R. K. OGILVIE, Reporter.

MONITEAU COUNTY MEDICAL SOCIETY.

Regular meeting was held at Tipton, on June 14th, thirteen members in attendance and two visitors, one from Cooper and one from Morgan County. The following papers were read: Dr. G. S. Wilson on the treatment of Tracoma; Dr. J. W. Marsh read a paper entitled "Consideration of Chronic Diseases of the Liver"; and Dr. W. H. Elliott read a "Report of Case of Cancer Treated by the X-Ray." These papers were highly commended and the discussion was very interesting.

Dr. Latham reported a case of cancer treated by the x-ray. Dr. W. R. Patterson presented a case of pityriasis tosea in a boy of six years.

This meeting was one of the best in the history of our society and

many expressed themselves as delighted with the enthusiasm which these meetings has aroused.

The next meeting will be held at Latham on September 13th.

W. R. Patterson, Reporter.

NEW MADRID COUNTY MEDICAL SOCIETY.

At the meeting held on June 7th, Dr. Atkisson read a paper on Multiple Pregnancy Complicated by Septic Fever. Dr. Williams read a paper on the treatment of Pneumonia. Both these papers were generally discussed by all members present. Drs. Diggs and Timberman of Marston were elected to membership. By the acquisition of these two members the society gains two young and active workers. On motion it was decided to change the time of meeting from the first Thursday in every month to the first Thursday in February, April, June, August, October and December. After adjournment the society was entertained by the New Madrid members.

W. J. Sparhawk, Reporter.

PEMISCOT COUNTY MEDICAL SOCIETY.

At the regular meeting held in Steele on May 8th, Dr. Granger presented a case of organic disease of the heart. The patient was examined by the members and there was considerable discussion on this subject.

The Rev. Dr. Pritchel, was presented by request and talked on the subject of Prohibition.

Dr. G. W. Phillips read a paper on "The Duty of the Members to the County Society and the Benefits to be Derived." Drs. Hudgens, Lutens and Granger took part in the discussion.

Drs. Otto Turley and T. S. Cooper of Steele, were elected members.

The next meeting will be held at Caruthersville on July 10th.

J. W. Johnson, Secretary.

PULASKI COUNTY MEDICAL SOCIETY.

Pulaski County Medical Society met at Crocker on June 4th. Dr. Johnson of Rolla was present and gave an interesting talk on the rights of the physician and the patient. The following officers were elected: Dr. W. L. Ragan, president; Dr. E. A. Oliver, secretary.

The next meeting will be held the first Monday in August at Waynesville.

E. A. Oliver, Secretary.

RALLS COUNTY MEDICAL SOCIETY.

Regular meeting was called to order by Dr. Harwood at Spaulding Springs, on July 12th. Eighteen physicians were present, including a number of visitors from other counties. The scientific program consisted of a symposium on appendicitis. Under this head Drs. C. W. Pryor, Fred. Walter and R. W. Winn read papers.

Dr. J. S. Howell read a paper on pathology and symptoms of glycoma; Dr. W. L. Burney reported a case of brain injury; Dr. E. T. Hornbeck read a paper on chronic hypertried tonsil and Dr. W. T. Waters read a paper on alcohol. The meeting was a very enthusiastic one and all of the papers were received with much interest.

Among the visitors was the councillor of our district, Dr. L. W. Dallas, Drs. Howell, Hornbeck, Reed and Banks, of Hannibal and Dr. Strode of St. Louis.

T. J. Downing, Secretary.

ST. LOUIS COUNTY MEDICAL SOCIETY.

St. Louis County Medical Society held its regular meeting on June 13th, at Kirkwood. Dr. Forsyth read an interesting paper on Gonorrhœa in the female which aroused considerable discussion among the members. Dr. John Pitman was elected a delegate to the meeting of the committee on public health and legislation held in St. Louis on July 10th.

The next meeting will be held in September.

R. D. Moore, M.D., Reporter.

ST. LOUIS MEDICAL SOCIETY.

MEETING OF MAY 26TH, 1906.

The St. Louis Medical Society met in regular session on May 26th, in the hall of the Y. M. C. A. building, one hundred and twenty members present.

The society at this meeting had as its guest two distinguished surgeons, Dr. M. H. Richardson, of Boston, who read a paper, entitled "Further Observations on Dissection of the Biliary Tract, with Special Reference to Diagnosis," and Dr. Alfred Duehrssen, chief surgeon in the Royal Prussian University at Berlin, who discussed "Operative Procedures through the Vagina, in Gynecology. Both subjects were ably handled and discussed by a number of the members of the society.

MEETING OF JUNE 2ND.

The elections committee reported favorably on the following named physicians, who were elected to associate membership.

Percival C. Barnes, 5434 Maple Ave. Charles H. Dixon, Lister Building. Theodore Greiner, 5532 Easton Ave. M. W. Jacobs, 1403 O'Fallon. H. D. Kistler, 2719 S. Compton Ave. Charles L. Klenk, 2108 S. Broadway. A. Merz, 2001 Cherokee. Frank P. Poignee, 816 Hickory. C. E. F. Streutker, 3828 S. Broadway. John Wolf, 2626 S. Broadway. A. O. Young, 3141 Lawton Ave.

The scientific program for the evening was a symposium on Clean Milk. Dr. G. M. Tuttle read a paper entitled "The American Movement to Obtain Clean Milk," with report on the use of certified milk.

Dr. John Zabrisky, "The Foreign Movement to obtain Clean Milk," with report on the use of certified milk.

Dr. A. S. Bleyer, "Bacteriological Contamination of Milk." Discussion by Drs. Scharp, Tuttle, Chapman, Barclay, Falk and Blair. Dr. O. H. Elbrecht presented a specimen of Hydonephrosis removed from a woman five months pregnant.

At the suggestion of the committee on public health and legislation, that committee was increased to fifty members. Among those appointed were many of the leading clerical, legal and business men of the city.

MEETING OF JUNE 9TH.

The scientific program consisted of two papers; one by Dr. W. H. Stauffer, "The Treatment of Hemorrhoids," and "Ano Rectal Fistula" by Dr. J. D. Potts. The papers were discussed by Drs. Barnes, Blair Amyt, Stauffer, and Potts.

MEETING OF JUNE 16TH.

The elections committee having reported favorably on the application of Dr.R.E.Graul, Joseph F. Mayes, and Nathaniel W. Semple. they were elected to membership.

Scientific Program.—By Dr. Malvern B. Clopton, "The Surgical Treatment of Epithelioma;" By Dr. H. P. Wells, "The X-Ray Treatment of Epithelioma;" By Dr. W. H. Mook, Presentation of cases: Lupus Hypertophicus, Framboesiform Syphilis, Multiple Epithelioma following burns, and Multiple Facial Epithelioma. By Dr. Joseph Grindon, "A Case of Lupus treated by X-Ray, followed by Cancer," Recovery after operation. By Dr. A. V. L. Brokaw, Radiographs of interesting cases.

I. E. GRAHAM, M. D., Reporter.

STE. GENEVIEVE COUNTY MEDICAL SOCIETY.

Regular monthly meeting was held at Ste. Genévieve on June June 16th. Dr. Meyer presented a case of ankylosis of the kneejoint. Dr. G. M. Rutledge was appointed a delegate, Dr. F. E. Hinch alternate to meet with the committee on public health and legislation in St.

Louis on July 10th. A contribution was collected from the members which was forwarded to the California fund in care of the Journal American Medical Association.

R. W. Lanning, Secretary.

STODDARD COUNTY MEDICAL SOCIETY.

The regular bi-monthly meeting was held at Bernie on July 18th, 12 members present. This was an open meeting and a number of the citizens of Bernie attended.

The names of Drs. Ryan and Goad, of Bernie, were presented for membership.

Dr. E. L. Elmore, of Puxico, was elected to membership.

Dr. Winters read a paper on "Summer Diarrhoea" which was discussed by Drs. Turnbaugh, Vernon, Slayden, Corbin, Wingo and Ashley. Dr. Corbin reported a case of "Progressive Caries of the Toes with Specimem." Essex was selected as the place for the next meeting on the first Wednesday in September at 10 a. m.

After adjournment the members were entertained at a dinner given by the local profession. Mr. R. L. Allen responded to the toast "The Law," Dr. Geo. W. Vernon "Medicine," Prof. R. F. Jones, "Pedagogy" and Elder J. R. Wheatley "The Ministry."

Geo. W. Vernon, M. D., Reporter.

SULLIVAN COUNTY MEDICAL SOCIETY.

Sullivan County Medical Society met at Milan, June 26th and re-organized. Dr. W. L. M. Witter was chosen president, Dr. J. W. Helton, vice-president and Dr. J. S. Montgomery, secretary. It was determined to hold quarterly meetings and a committee was appointed consisting of Drs. Porter, Mairs, and Widner to arrange programs for the next meeting. There were eight members present and all expressed the deepest interest in the welfare of the society and a determination to bring in the remaining members of the profession and have our society become an active working body once more.

J. S. Montgomery, Secretary.

WAYNE COUNTY MEDICAL SOCIETY.

Wayne County Medical Society met in regular session at Williamsville on June 20th. The application of Dr. J. P. Price for membership was approved and he was elected a member. There was a gen-

eral discussion on the subject of the practice of medicine, especially bearing upon midwifery and upon the question of fees for examinations for life insurance companies. A committee was appointed to draft resolutions and report at the next meeting.

Dr. G. W. Toney was appointed to represent Wayne County at the meeting of the committee on public health and legislation in St. Louis on July 10th.

Dr. Jesse W. Hale reported an interesting clinical case of abscess just below Poupart's ligament. There were six members present and two visitors.

MEETING OF JULY 17TH.

The July meeting was held at Patterson. The application of Dr. O. A. Myers, of Coldwater, was favorably reported and he was elected a member. The following officers were elected for the ensuing year: President, J. P. Sebastian; 1st vice president, S. A. Bates; 2nd vice president, J. W. Hale; 3rd vice president, C. H. Jones.

R. J. OWENS, Secretary.

The committee appointed to draw up resolutions concerning the fees for examinations for life insurance reported as follows:

"Whereas many of the 'Old Line' Life Insurance Companies are reducing medical examination fees from $5.00 to $3.00, therefore, be it

Resolved by this, the Wayne County Medical Society, that we (the members thereof) will charge all such companies $5.00 for each examination." On motion the resolution was adopted and the JOURNAL requested to publish it. A committee was appointed to draft resolutions covering fees for the examinations of members of fraternal societies. Dr. O. A. Myers reported a case of injury to the foot caused by a circular saw.

This was followed by a general discussion of prevailing diseases.

The following members were appointed to read papers at the next meeting: Drs. G. W. Toney, J. W. Hale, C. H. Jones, S. A. Bates, J. P. Sebastian and W. S. Bailey.

R. J. OWEN, M. D., Secretary.

OFFICIAL ROSTER
Missouri State Medical Association

ORGANIZED 1857

Members of Affiliated County Societies

ADAIR COUNTY.

Brown, D. T., Novinger, Mo.
Bulkley, J. F., Nind, Mo.
Callison, E. C., Kirkville, Mo.
Davis, I. L., Connelsville, Mo.
Grim, E. A., Kirksville, Mo.
Grim, E. C., Kirksville, Mo.
Gashwiler, J. S., Novinger, Mo.
Hanks, James, Brashear, Mo.
Martin, J. W., Kirksville, Mo.
Quinn, Ed. S., Kirksville, Mo.
Wilson, C. S., Gibbs, Mo.

ANDREW COUNTY.

Bennett, E. C., Bolckow, Mo.
Best, W. W., Bolckow, Mo.
Damour, F., Bolckow, Mo.
Jefferies, C. O., Savannah, Mo.

ATCHISON COUNTY.

Chamberlain, G. W. E., Rockport, Mo.
Chamberlain, O. M. C., Rockport, Mo.
Holliday, J. A., Tarkio, Mo.
Hunter, J. A., Fairfax, Mo.
Lott, G. W., Westboro, Mo.
McMichael, A., Rockport, Mo.
Postlewaite, J. A., Tarkio, Mo.
Richards, E. E., Tarkio, Mo.
Safford, W. G., Tarkio, Mo.
Settles, Chas. T., Rockport, Mo.
Strickland, W. R., Rockport, Mo.
Taylor, E. P., Fairfax, Mo.
Waugh, C. M., Tarkio, Mo.
Whitford, E. P., Westboro, Mo.

AUDRAIN COUNTY.

Alford, R. L., Vandalia, Mo.
Berrey, R. W., Mexico, Mo.
Bland, W. W., Vandalia, Mo.
Cave, E. S., Mexico, Mo.
Coil, P. E., Mexico, Mo.
Cornett, W. E., Rush Hill, Mo.
Crawford, M. E., Mexico, Mo.
Douglass, W. H., Benton City, Mo.
Flynt, J. F., Moline, Mo.
Gibbs, R. T., Mexico, Mo.
Jordon, J. E., Rowena, Mo.
Lanier, J. H., Martinsburg, Mo.
Lofton, E. A., Laddonia, Mo.
McCall, W. K., Worcester, Mo.
Parish, J. C. Vandalia, Mo.
Rodes, N. R., Mexico, Mo.
Rothwell, C. A., Mexico, Mo.
Stuart, Jno., Benton City, Mo.
Wallace, J. E., Mexico, Mo.

BARRY COUNTY.

Dusenbury, C. T., Monett, Mo.
Gladden, R. B., Monett, Mo.
Hagler, M. C., Monett, Mo.
Hawkins, A. S., Monett, Mo.
Jones, Alva, Monett, Mo.
Miller, D. E., Monett, Mo.
Mitchell, D. L., Cassville, Mo.
Mitchell, John, Purdy, Mo.
Newman, S. A., Cassville, Mo.
Northcut, L. B., Washburn, Mo.
Russell, J. M., Monett, Mo.
Searcy, Wm. P., Exeter, Mo.
Trumbower, M. R., Monett, Mo.
West, Wm. M., Monett, Mo.

BARTON COUNTY.

Allee, G. D., Lamar, Mo.
Clark, J. W., Liberal, Mo.
Cole, J. K., Lamar, Mo.
Coleman, W. O., Nashville, Mo.
Cromley, J. F., Lamar, Mo.
Duckett, T. H., Millford, Mo.
Gish, G. J. P., Liberal, Mo.
Gish, J. S., Liberal, Mo.
Griffin, W. L., Lamar, Mo.
McComb, J. L., Lamar, Mo.
McKelvey, W. A., Minden Mines, Mo.
Miller, E. F., Verdella, Mo.
Roberts, M. G., Lexington, Mo.
Smith, C. A., Liberal, Mo.
Stone, A. B., Lamar, Mo.
Thompson, G. T., Golden City, Mo.
Van Meter, A., Lamar, Mo.

BATES COUNTY.

Boulware, T. C., Butler, Mo.
Chastain, E. N., Butler, Mo.
Compton, U. J., Pleasant Gap, Mo.
Coulson, J. R., Spruce, Mo.
Delometer, G. A., Rich Hill, Mo.
Forster, T. W., Butler, Mo.
Gilmore, E. E., Adrian, Mo.
Hulett, R. F., Rich Hill, Mo.
Lancaster, W. H., Rich Hill, Mo.
Lockwood, T. F., Butler, Mo.
Lyle, A. E., Butler, Mo.
Martin, J. R., Merwin, Mo.
Miller, Sherman, Maysburg, Mo.
Rhodes, H. A., Foster, Mo.
Whipple, N. L., Pleasant Gap, Mo.

BENTON COUNTY.

Clark, J. W., Fristoe, Mo.
Davis, S. O., Warsaw, Mo.
Dick, M., Cole Camp, Mo.
Greeson, G. A., Lincoln, Mo., R. F. D.
Holtzen, E. E., Cole Camp, Mo.
Jones, W. G., Lincoln, Mo.
Lemon, F. F., Lincoln, Mo.
Rhodes, E. L., Lincoln, Mo.
Schwald, N. A., Cole Camp, Mo.
Stratton S. O., Edmonson, Mo.
Walton, J. H., Ionia, Mo.
Woods, G. W., Mounds, Ind. Ter.

BOONE COUNTY

Austin, R. S., Hallsville, Mo.
Austin, C. W., Columbia, Mo.
Calvert W. J., Columbia, Mo.
Carhart, W. G., Columbia, Mo.
Chinn, E. H., Rocheport, Mo.
Douglass, W. H., Columbia, Mo.
Fisher, J. M., Columbia, Mo.
Gentry, E. N., Sturgeon, Mo.

Gordon, J., Columbia, Mo.
Jackson, C. M., Columbia, Mo.
McAlester, A. W., Columbia, Mo.
McAllister, W. A., Centralia, Mo.
McComas, A. R., Sturgeon, Mo.
Meyer, Max, Columbia, Mo.
Miller, W. McN., Columbia, Mo.
Moss, Woodson, Columbia, Mo.
Nifong, F. G., Columbia, Mo.
Norris, W. A., Columbia, Mo.
Noyes, Guy, Columbia, Mo.
Thornton, J. E., Columbia, Mo.

BUCHANAN COUNTY.

(All addresses St. Joseph, Mo., unless otherwise stated.)

Bansbach, J. J., 825 Fred Ave.
Ballard, E. S., Hughes Bldg.
Bauman, L. C., 4th & Edmond.
Bell, J. M., 710 Felix St.
Byrne, J. I., Bk. of Commerce Bldg.
Campbell, O. B., Hughes Bldg.
Carpenter, S.F., Hughes Bldg.
Dandurant, L. J., 8th & Felix St.
Deffenbaugh, W. B., 710 Felix St.
Donelan, E. A., 622 Francis St.
Doyle, T. H., 107 N. 9th St.
Doyle, J. M., 107 N. 9th St.
Dunsmore, J. M., 9th & Charles St.
Davis, E. C., 2018 S. 11th St.
Elam, W. T., Logan Blk.
Farber, M. J., 520½ Francis St.
Fassett, Chas. Wood., Krug Park Pl.
Ferguson, J. W., Commercial Bldg.
Forgrave, H. S., King Hill Bldg.
Forgrave, L. R., Logan Blk.
French, J. A., 408 S. 8th St.
Fulkerson, P. P., 6th & Francis St.
Geiger, C. G., 613 Francis St.
Geiger, Jacob, 613 Francis St.
Gebhart, O. C., King Hill Bldg.
Gleaves, O. G. 2624 St. Joseph.
Goetz, W. F., 7th & Edmund St.
Good, C. A., King Hill Bldg.
Graham, J. K., Logan Bldg.
Gray, A. L., Moss Bldg.
Heddens, J. W., 614 Francis St.
Hunterson, D. L., Parnell, Mo.
Humfreville, D. L., 513 Francis St.
Islaub, J. W., 207 S. 14th St.
Kenney, W. L., 6th & Felix St.
Kessler, S. F., 202 N. 5th St.
Lechtman, I., 310 S. 9th St.
Lee, Herbert, Ballinger Bldg.
Leonard, P. I., 613 Francis St.
McGill, W. J., King Hill Bldg.
McGlothlan, A. B., 6th & Felix St.
Morton, Daniel, King Hill Bldg.
Morrison, W. S., Rushville, Mo.
Owens, F. C., Agency, Mo.
Owens, J. F., Ballinger Bldg.
Paul, T. M., 825 Fred Ave.
Paulette, A. W., Hughes Bldg.
Pitts, Barton, Pitts Bldg.
Potter, T. E., 7th & Edmund St.
Renaud, E. C., King Hill Building.
Reynolds, J. B., 417 Francis St.
Riley, J. B., Commercial Bldg.
Sampson, Chris. M., 115 N. 5th St.
Sampson, J. H., 115 N. 5th St.
Senn, Geo., 9th & Jule St.
Schmid, W. F., Pitts Bldg.
Smith, B. H., Hosp. No. 2.
Smith, J. C., Hosp. No. 2.
Smith, S. D., 615 Francis St.
Spencer, F. H., Moss Bldg.
Thomas, C. E., Commercial Bldg.
Thompson, G. R., Hosp. No. 2.
Timerman, A. R., 4101½ Ill Ave.
Todd, L. A., Logan Bldg.
Toothaker, B. W., Hughes Bldg.
Walker, H. L., 926 N. 3rd St.
Wallace, C. H., Logan Blk.
Wallis, W. M., Logan Bldg.
Willman, R., 104 S. 3rd St.
Woodson, C. R., Hosp. No. 2.

BUTLER COUNTY.

Cadwell, Victor, Poplar Bluff, Mo.
Dewitt, Eskew, Poplar Bluff, Mo.
Highfill, W. E., Neeleyville, Mo.
Kendall, A. W., Poplar Bluff, Mo.
Mott, J. W., Poplar Bluff, Mo.
Norwine, J. J., Poplar Bluff, Mo.
Seybold, Ira W., Poplar Bluff, Mo.
Taylor, W. F., Poplar Bluff, Mo.
Williamson, C. W., Poplar Bluff, Mo.
Windsor, A., Poplar Bluff, Mo.
Wright, C. O., Poplar Bluff, Mo.

CALDWELL COUNTY.

Brown, Tinsley, Hamilton, Mo.
Cannon, J. W. M., Kidder, Mo.
Carr, B. F., Polo, Mo.
Cowley, G. B., Cowgill, Mo.
Crawford, J. R., Kansas City, 1121 Cherry St.
De Lamater, H., Kidder, Mo.
Dewey, C. O. Breckenridge, Mo.
Dodge, R. K., Polo, Mo.
Dowell, G. S., Braymer, Mo.
Dwight, K. M., Hamilton, Mo.
Eads, L. J., Hamilton, Mo.
Goins, G. W., Breckenridge, Mo.
Leeper, C. C., Braymer, Mo.
Lindley, W. T., Hamilton, Mo.
Mount, R. L., Polo, Mo.
McConkley, C. M., Mirabile, Mo.
McMurtrey, Chas. L., Kidder, Mo.
Schroeder, H. A., Braymer, Mo.
Shouse, Wm. S., Kingston, Mo.
Tiffin, Clayton, Hamilton, Mo.
Waterman, J. A., Breckenridge, Mo.
Wilhelm, D. E., Braymer, Mo.
Wilkerson, J. O., Cowgill, Mo.
Woldridge, H. L., Breckenridge Mo.
Woolsey, C. B., Braymer, Mo.

CALLAWAY COUNTY.

Baker, N. F., Fulton, Mo.
Berry, J. W., Reform, Mo.
Bridges, A. D., Portland, Mo.
Christian, C. H., New Bloomfield, Mo.
Crews, R. N., Williamsburg, Mo.
Davis, J. R., Mokane, Mo.
Gilman, D. C., Portland, Mo.
Harrison, J. F., Fulton, Mo.
Nichols, F. J., Hams Prairie, Mo.
McCall, G. D., Fulton, Mo.
McFarlane, W. W., Fulton, Mo.
Roots, G. F., Tebbitts, Mo.
Williams, P. E., Fulton, Mo.
Yates, Martin, Fulton, Mo.
Young, D. H., Fulton, Mo.

CAMDEN COUNTY

Claiborn, E. G., Decaturville, Mo.
Clark, W. J., Linn Creek, Mo.
Ford, J. S., Linn Creek, Mo.
Hicks, E. S., Macks Creek, Mo.
Mills, S., Macks Creek, Mo.
Moore, G. M., Linn Creek, Mo.
Moulder, G. A., Linn Creek, Mo.
Myers, G. T., Macks Creek, Mo.
Palmer, J. W., Climax Springs, Mo.

CAPE GIRARDEAU COUNTY.

Adkins, R. F., Jackson, Mo.
Chostner, N. F., Dutchtown, Mo.
Cunningham, H. L., Cape Girardeau, Mo.
Dalton, A. E., Friedheim, Mo.
Dalton, R. P., Cape Girardeau, Mo.
Hays, W. B., Jackson, Mo.
Hempstead, B. R., Cape Girardeau, Mo.
Henderson, R. F., Cape Girardeau, Mo.
Higdon, E. E., Allenville, Mo.
Hope, D. H., Cape Girardeau, Mo.
Howard, W. N., Cape Girardeau, Mo.
Nettles, F., Cape Girardeau, Mo.
Patton, W. C., Cape Girardeau, Mo.
Porterfield, J. D. Jr., Cape Girardeau, Mo.
Rosenthal, M., Cape Girardeau, Mo.
Schultz, G. B., Cape Girardeau, Mo.

Statler, W. K., Oak Ridge, Mo.
Tralton, G. W., Cape Girardeau, Mo.
Vineyard, G. W., Jackson, Mo.
Walker, G. W., Cape Girardeau, Mo.
Whitmer, C. M., Marble Hill, Mo.
Wichterich, R. F., Cape Girardeau, Mo.
Wilson, E. H. G., St. Louis, Mo.
Woods, S. E., Jackson, Mo.

CARROLL COUNTY

Baird, W. C. Bogard, Mo.
Brown, H., Bosworth, Mo.
Brunner, E. E., Carrollton, Mo.
Cook, R. F., Carrollton, Mo.
Edmunds, O. R., Tina, Mo.
Hollister, W. L., Wakenda, Mo.
Highsmith, G. R., Carrollton, Mo.
Lee, B. J., Norborne, Mo.
Miller, R. M., Bogard, Mo.
Samuels, L., Carrollton, Mo., R. F. D. No. 6.
Tull, H. W., Carrollton, Mo.

CARTER-SHANNON COUNTY.

Chilton, J. A., Van Buren, Mo.
Cotton, T. W., Van Buren, Mo.
Fulton, Wm., Winona, Mo.
Gun, P. D., Birch Tree, Mo.
Hyde, Frank, Eminence, Mo.
Lucas, H. R., Chaffee, Mo.

CASS COUNTY.

Adair, T. W., Archie, Mo.
Anderson, G. M., Pleasant Hill, Mo.
Barrett, W. H., Harrisonville, Mo.
Beckman, Wm. S., Strassburg, Mo.
Brierly, H. A., Peculiar, Mo.
Brierly, J. B., Gunn City, Mo.
Chaffin, W. F., Raymore, Mo.
Clemons, W. M., Cleveland, Mo.
Crawford, H. S., Harrisonville, Mo.
Dawson, B. E., Belton Mo.
Elder, A. R., Harrisonville, Mo.
Ellis, F. B., Garden City, Mo.
Fair, S. W., Garden City, Mo.
Farrow, G. W., East Lynne, Mo.
Foster, F. W., East Lynne, Mo.
Gilham, E. M., Calumet, Okla.
Jerard, H., Pleasant Hill, Mo.
Keller, A. G., Freeman, Mo.
Prentiss, H. S., Pleasant Hill, Mo.
Overholser, M. P., Harrisonville, Mo.
Ramey, R. D., Garden City, Mo.
Schoor, A. H., Seattle, Wash., 921 12th Ave.
Schoor, E., Garden City, Mo.
Triplett, J. S., Harrisonville, Mo.
Wood, L. M., Pleasant Hill, Mo.
Yeager, R. P., Pleasant Hill, Mo.

CEDAR COUNTY.

Alder, A. E., Cane Hill, Mo.
Brown, R. A., Stockton, Mo.
Crawford, R. O., El Dorado Springs, Mo.
Dawson, J. W., El Dorado Springs, Mo.
Dunnaway, L. T., Caplinger Mills, Mo.
Edgar, C. A., El Dorado Springs, Mo.
Gates, L. C., Jerico, Mo.
Hill, K., Eldorado Springs, Mo.
Holmes, A. T., Jerico, Mo.
Liston, E. H., Balm, Mo.
Liston, Geo. M., Forest Grove, Mo.
Marr, R. B., Filley, Mo.
Moore, W. A., ElDorado Springs, Mo.
White, E. E., Morris Ind. Ter.
Younger, T. B., Stockton, Mo.

CHARITON COUNTY

Austin, M. B., Brunswick, Mo.
Billeter, W. J., Bynumville, Mo.
Brummall, J. D., Salisbury, Mo.
Brown, W. G., Triplett, Mo.
Baker, J. H. P., Salisbury, Mo.
Baker, W. L., Salisbury, Mo.
Edwards, G. W., Brunswick, Mo.
Epperly, R. G., Prairie Hill, Mo.
Gaines, J. R., Mussell Fork, Mo.
Hawkins, G. W., Triplett, Mo.
Hughes, B., Keytesville, Mo.
Jennings, C. A., Salisbury, Mo.
Knott, I., Keytesville, Mo.
Kirkpatrick, H. E., Dalton, Mo.
McAdam, J. D., Prairie Hill, Mo.
McEwen, Oliver, Shannondale, Mo.
Pitney, Orvile, Forest Green, Mo.
Tatum, Harry C., Brunswick, Mo.
Temple, C. H., Rockford, Mo.
Wallace, J. S., Brunswick, Mo.
Welch, J. F., Salisbury, Mo.
Zilman, A. W., Indian Grove, Mo.

CLARK COUNTY

Bridges, A. C., Kahoka, Mo.
Bridges, J. R., Kahoka, Mo.
Dickson, L. M., Revere, Mo.
Hiller, F. B., Kahoka, Mo.
Sisson, W. B., Kahoka, Mo.
Stewart, B. F., Revere, Mo.
Teel, A. W., Kahoka, Mo.

CLAY COUNTY.

Allen, J. M., Liberty, Mo.
Ashley, M. A., Excelsior Springs, Mo
Bogart, T. N., Excelsior Springs, Mo.
Cuthbertson, W. N., Liberty, Mo.
Fulton, F. H., Lathrop, Mo.
Gaines, J. J., Excelsior Springs, Mo.
Griffin, J. M., Excelsior Springs, Mo.
Jones, H. S., Linden, Mo.
Jones, J. L., Linden, Mo.
Lightfoot, F., Excelsior Springs, Mo.
Lowrey, Ernest, Excelsior Springs
Marsh, J. T., Liberty, Mo.
Mathews, F. H., Liberty, Mo.
Miller, E. H., Liberty, Mo.
McCullouch, G., Kearney, Mo.
Sevier, R. E., Liberty, Mo.
Suddarth, C. H., Smithville, Mo.
Ralph, A. B., Missouri City, Mo.
Rice, J. T., Excelsior Springs, Mo.
Rice, J. J., Kearney, Mo.
Rothwell, J. H., Liberty, Mo.
Rowell, H., Kearney, Mo.
Wallace, W. S., Excelsior Springs.
Ward, T. J., Birmingham, Mo.
Wilson, J. P., Liberty, Mo.
Wysong, W. L., Missouri City, Mo.

CLINTON COUNTY.

Colley, E. A., Plattsburg, Mo.
Franklin, J. A., Cameron, Mo.
Kay, John, Perrin, Mo.
Rea, Robt. W., Plattsburg, Mo.
Rush, G. B., Lathrop, Mo.
Steckman, P. M., Plattsburg, Mo.
Sturgis, John, Perrin, Mo.
Winn, J. W., Plattsburg, Mo.

COLE COUNTY

Bedford, S. V., Jefferson City, Mo.
Chastain, C. W., Jefferson City, Mo.
Clark, W. A., Jefferson City, Mo.
Enloe, C. F., Jefferson City, Mo.
Enloe, I. N., Jefferson City, Mo.
Ettmueller, G., Jefferson City, Mo.
Hamlin, C. W., Bass, Mo.
Hill, J. A., Jefferson City, Mo.
Hough, C. P., Jefferson City, Mo.
Lamkin, W. M., Jefferson City, Mo.
Leach, N. T., Elston, Mo.
Lopp, J. E., Jefferson City, Mo.
McAlester, A. W., Jefferson City, Mo.
Porth, J. F., Jefferson City, Mo.
Son, E. R., Jefferson City, Mo.
Thorpe, J. L., Jefferson City, Mo.

COOPER COUNTY.

Allee, E. M., Bunceton, Mo.
Cochran, O. W., Gooch Hill, Mo.
Cordry, H. V., Boonville, Mo.
Elliott, W. H., Bunceton, Mo.
Evans, R. L., Boonville, Mo.
Fogle, R. L., Clifton City, Mo.
Hurt, P. L., Boonville, Mo.

Lionberger, J. R., Boonville, Mo.
Mc Donald, H. A., Pishah, Mo.
Meredith, A. L., Wooldridge, Mo.
Monroe, A. E., Otterville, Mo.
Parish, J. S., Pleasant Green, Mo.
Poindexter, J. W., Prairie Home, Mo.
Quigg, H. D., Blackwater, Mo.
Reynolds, W. H., Lupus, Mo.
Rice, E. L., Otterville, Mo.
Russell, G. A., Boonville, Mo.
Smith, A. J., Boonville, Mo.
Smiley, F. R., Boonville, Mo.
Taylor, J. T., Speed, Mo.
Teel, S. M., Prairie Home, Mo.
Van Ravenswaay, C. H., Boonville, Mo.

DAVIESS COUNTY.

Brosius, W. L., Gallatin, Mo.,
Clagett, O. F., Jamesport, Mo.
Dunham, J. D., Pattonberg, Mo.
Minnick, A. G., Locksprings, Mo.
Songer, H. E., Jamesport, Mo.
Smith, M. A., Gallatin, Mo.
Waller, C. E., Altamont, Mo.
Wetzel, N. M., Jameson, Mo.

DENT COUNTY

Brown, H. H., Condray, Mo.
Craig, L. B., Salem, Mo.
Cummings, W. P., Salem, Mo.
Duncan, E. A., Salem, Mo.
Gordon, J. B., Gila, Mo.
Leonix, W. M., Hobson, Mo.
McMurtrey, A. F., Salem, Mo.
Pare, E. Y., Sligo, Mo.
Rudd, W. E., Salem, Mo.
Welch, J. C., Salem, Mo.

DUNKLIN COUNTY

Baldwin, Paul, Bennett, Mo.
Bond, V. H., Cotton Plant, Mo.
Bonewitz, John, Hornersville, Mo.
Brown, C. W., Campbell, Mo.
Birchett, J. G., Gradwell, Mo.
Egbert, T. H., Kennett, Mo.
Finney, W. B., Kennett, Mo.
Harrison, A. S., Kennett, Mo.
Johnson, G. L., Kennett, Mo.
Kelley, N. F., Kennett, Mo.
May, C. A., Campbell, Mo.
Mobley, A. B., Kennett, Mo.
Price, W. A., Campbell, Mo.
Rigdon, T. J., Kennett, Mo.

FRANKLIN COUNTY.

Booth, H. A., Pacific, Mo.
Briegleb, C. F. St. Clair, Mo.
Brown, A. C., Moselle, Mo.
Dunnigan, J. P., Sullivan, Mo.
Eimbeck, Wm. F., New Haven, Mo.
Hempker, W. H., Catawissa, Mo.
Hume, E. L., Bourbon, Mo.
Kitchell, W. E., St. Clair, Mo.
Mattox, W. P., Sullivan, Mo.
May, H. A., Washington, Mo.
McMay, A. L., Pacific, Mo.
Isbell, J., Washington, Mo.
North, W. R., Labadie, Mo.
Poppenhusen, H. A. C., Washington, Mo.
Rusk, E. McD., Villa Ridge, Mo.
Rush, J. A., Gray Summitt, Mo.
Smith, W. E., Catawissa, Mo.
Trumpour, R. J., Spring Bluff, Mo.
Schudde, O. N., Sullivan, Mo.
Snow, A. E., Union, Mo.
Stierberger, E. A., Union, Mo.
Wyllie, S. D. B., Union, Mo.

GASCONADE-MARIES-OSAGE COUNTY.

Aufderheide, F., Drake, Mo.
Burgess, J. W., Belle, Mo.
Engelbrecht, Jno. Stony Hill, Mo.
Ferrell, J. J., Owensville, Mo.
Ferrell, W. R., Bland, Mo.
Fritts, O. C., Belle, Mo.
Leach, C. T., Feurisville, Mo.
Nieweg, J. W., Lois, Mo.
Radamacker, J. J., Meta, Mo.
Seba, J. D., Bland, Mo.
Seba, W. E., Bland, Mo.
Spurgeon, M. E., Red Bird, Mo.
Terrell, S. J., Meta, Mo.

GENTRY COUNTY.

Barger, J. N., Darlington, Mo.
Brookes, W. W., Stanberry, Mo.
Conard, J. W., Albany, Mo.
Hinkley, S. B., Stanberry, Mo.
Lewis, Edwin, Stanberry, Mo.
Lindley, E. R., Stanberry, Mo.
Martin, W. T., Albany, Mo.
Smith, G. W., Albany, Mo.
Whitely, G. W., Albany, Mo.

GREENE COUNTY.

Barnes, G. W., Springfield, Mo.
Bartlett, J. R., Springfield, Mo.
Boyd, J. R., Springfield, Mo.
Camp, W. A., Springfield, Mo.
Coffelt, T. A., Springfield, Mo.
Cowan, R. M., Springfield, Mo.
Cox, Lee, Springfield, Mo.
Farnsworth, D. B., Springfield, Mo.
Fulbright, J. Harve., Springfield, Mo.
Fulton, C. E., Springfield, Mo.
Hill, H. S., Springfield, Mo.
Hogg, Larrett, Springfield, Mo.
James, W. C., Springfield, Mo.
Knabb, Enoch, Springfield, Mo.
Matthews, J. C., Springfield, Mo.
Nixon, J. H., Springfield, Mo.
Oldham, J. D., Springfield, Mo.
Ormsbee, J. L., Springfield, Mo.
Patterson, W. P., Springfield, Mo.
Peake, O. L., Springfield, Mo.
Purselley, W. L., Springfield, Mo.
Ralston, J. P., Springfield, Mo.
Ross, F. E., Springfield, Mo.
Sherman, D. U., Elwood, Mo.
Smith, W. M., Springfield, Mo.
Tefft, J. E., Springfield, Mo.
Terry, N. F., Springfield, Mo.
Williams, J. W., Springfield, Mo.
Woody, C. E., Springfield, Mo.

GRUNDY COUNTY.

Addington, W. H., Spickards, Mo.
Allen, E., Hickory, Mo.
Asher, J. A., Trenton, Mo.
Cash, R. B., Spickards, Mo.
Coon, D. W., Trenton, Mo.
Davenport, R. G., Trenton, Mo.
Elder, A. L., Trenton, Mo.
Fulkerson, W. D., Trenton, Mo.
Moore, G. A., Galt, Mo.
Moore, T. E., Edinburgh, Mo.
Pittman, W. T., Spickards, Mo.
Sheldon, Samuel, Trenton, Mo.
Stone, J. M., Laredo, Mo.
Sutton, Bertha, Trenton, Mo.
Sutton, N. E., Trenton, Mo.
Webster, C. L., Trenton, Mo.
Winningham, W. H., Trenton, Mo.
Wright, J. B., Trenton, Mo.

HARRISON COUNTY.

Broyls, F. H., Bethany, Mo.
Bryson, E. H., Bethany, Mo.
Chipp, J. K., New Hampton, Mo.
Eades, M. H., New Hampton, Mo.
Gwinn, G. E., Bethany, Mo.
Mitchell, C. A., Blythedale, Mo.
Morroway, J. H., Ridgeway, Mo.
Reynolds, A. C., Martinsville, Mo.
Reynolds, E. M., Union Star, Mo.
Robertson, C. H., Eagleville, Mo.
Sellers, C. J., Mt. Moriah, Mo.
Stewart, B. S., Bethany, Mo.
Stoughton, E. L., Mt. Moriah, Mo.
Sutton, B. M., Happy Valley, Mo.

Vandivert, A. H., Bethany, Mo.
Walker, J., Bethany, Mo.
Wiley, W. H., Ridgeway, Mo.
Williams, A. W., Ridgeway, Mo.

HENRY COUNTY.

Barr, B. B., Clinton, Mo.
Beaty, J. G., Huntingdale, Mo.
Benway, Wm. H., Deepwater, Mo.
Britts, J. H., Clinton, Mo.
Derwent, A. E., Clinton, Mo.
Douglass, F. M., Clinton, Mo.
Fewell, R. B., Montrose, Mo.
Gibbins, Wm. H., Clinton, Mo.
Gray, A. A., Calhoun, Mo.
Haire, R. D., Clinton, Mo.
Hampton, J. R., Clinton Ford, R. F. D.,
Kemkler, J. E., Clinton, Mo.
Mennees, G. W., Clinton, Mo.
Head, G. W., Windsor, Mo.
Miller, J. M., Montrose, Mo.
Poague, S. A., Clinton, Mo.
Russell, J. J., Deepwater, Mo.
Shankland, W. M., Clinton, Mo.
Tanner, W. C., Montrose, Mo.
Wallis, J. R., Clinton, Mo.

HOLT COUNTY.

Aiken, S. W., Oregon, Mo.
Bickel, J. T., Winston, Mo.
Bullock, F. E., Forest City, Mo.
Chandler, J. F., Forest City, Mo.
Davis, J. M., Craig, Mo.
Davis, T. O., Maitland, Mo.
Evans, C. L., Oregon, Mo.
Gray, M. S., Craig, Mo.
Gregory, W. S., Forbes, Mo.
Hogan, F. E., Bigelow, Mo.
Kaltenbach, E., Craig, Mo.
Miller, E. M., Mound City, Mo.
Miller, J. W., Mound City, Mo.
Minton, J. R., Fortesque, Mo.
Proud, W. C., Oregon, Mo.
Juigley, B. T., Mound City, Mo.
Simmons, B. B., Oregon, Mo.
Tracy, J. M., Mound City, Mo.
Tracy, J. C., Mound City, Mo.
Williams, Ira, Maitland, Mo.

HOWARD COUNTY.

Bonham, V. Q., New Franklin, Mo.
Champion, J. R, Hilldale, Mo.
Fleet, J. B., New Franklin, Mo.
Hume, J. Y., Armstrong, Mo.
Lee, C. H., Fayette, Mo.
Lewis, C. O., Fayette, Mo.
Smith, N. E., Fayette, Mo.
Thompson, W. S., Armstrong, Mo.
Watts, C. W., Fayette, Mo.
White, J. A., New Franklin, Mo.
Williams, W. E., Myers, Mo.
Wood, J. E., Harrisburg, Mo.
Wright, U. S., Fayette, Mo.

HOWELL COUNTY.

Black, J. D., South Fork, Mo.
Bingham, J. W., Pottersville, Mo.
Chandler, M. B., West Plains, Mo.
Culp, J. C., Koshkonong, Mo.
Davis, J. C. B., Willow Springs, Mo.
Dixon, J. C. B., West Plains, Mo.
Johnson, J. McB., West Plains Mo.
Mitchell, E. H., Pottersville, Mo.
Nichols, D. J., West Plains, Mo.
Powell, D. T., Thayer, Mo.
Reiley, J. F., West Plains, Mo
Rowe, H. J., Willow Springs, Mo.
Schuttee, H. C. W., West Plains, Mo.
Spears, R. S., West Plains, Mo.
Thompson, H. A., Lanton, Mo.
Thornburg, A. H., West Plains, Mo.
Wiles, W. J., Bakersfield. Mo.
Williams, J. P., Willow Springs, Mo.

JACKSON COUNTY.

(All addresses are Kansas City unless otherwise stated.)

Abrams, W. E. 523 Rialto Bldg.
Adams, Noah, 317 Rialto Bldg.
Anderson, H. C., 716 Shukert Bldg.
Armour, Wallace, A., 3505 E. Twelfth St.
Atkins, Calvin, Independance, Mo.
Ayers, Samuel, 1208 Wyandotte.
Barbee, C. M., 522 Rialto Bldg.
Beattie, Thos. J., 603 Commerce Bldg.
Beedle, G. A., 314 Altman Bldg.
Beil, J. W., 805 McGee St.
Bellows, G. E., 426 Rialto Bldg.
Berry, G. F., 527 Rialto Bldg.
Binnie, J. F., Twelfth & Wyandotte.
Block, J., 502 Commerce Bldg.
Bowman, Dora E., 327 Rialto Bldg.
Bowman, J. W., 402 Hall Bldg.
Brainard, B. F., Martin City, Mo.
Brown, Chas. A. 311 Commerce Bldg.
Brown, R. J., 1304 E. Twelfth St.
Bruehl, J. 500 New Ridge Bldg.
Brunig, F. H., 3137 Main St
Burkhart, E. A., 2309 Summitt St.
Burke, C. L., 304 Deardorff Bldg.
Burnett, S. G., 425 Rialto Bldg.
Burrill, C. W., 623 Shukert Bldg.
Callaghan, R., 540 Cambridge Ave.
Campbell, W. L., Fifteenth & Jackson.
Capell, C. S., 1107 McGee St.
Carbaugh Eugene, 430 Rialto Bldg.
Carl, S. T., 350 Ridge Bldg.
Castelaw, R. E., 13 Woodworth Ave.
Cathcart, C. P., 419 Deardorff Bldg.
Chambers, J. Q., 705 Shukert Bldg.
Chambliss, E. L., 523 Rialto Bldg.
Child, Scott P., 705 Shukert Bldg.
Clausen, J. J., 2311 Summitt Bldg.
Clements, Jos., Nutley, N. Y.
Coffey, W. H., 500 Bellefontaine
Coffin, G. O., 500 New Ridge Bldg.
Coleman, H. B., 3032 E. Eighteenth St.
Cook, F. L., Blue Springs, Mo.
Cooper, C. L., 4513 Independence Ave.
Cordier, A. H., 310 Rialto Bldg.
Cross, R. O., 317 Rialto Bldg.
Cross, W. M., 1005 Campbell St.
Crowder, W. H., 4647 Independence.
Crowell, H. C., 410 Century Bldg.
Cunningham, O. J., 305 Altman Bldg.
Curry, E. R., 304 Deardorff Bldg.
Curdy, R. J., 614 Commerce Bldg.
Dailey, F. W., 327 Altman Bldg.
Dannaker, C. A., 637 Woodland Ave.
Davis, A. W., 3303 Woodland Ave.
Davis, G. W., 407 Century Bldg.
Donaldson, G. H., 200 West Port Ave.
Donaldson, J. E., 200 Westport Ave.
Dove, O. H., 413 Rialto Bldg.
Drake, N. A., 1001 Harrison St.
Dunham, S. A., 1302 Garfield Ave.
Edmonson, M. M., 2440 Brooklyn Ave.
Eldredge, J. S., 1021 Grand Ave.
Evans, F. H., Fifth & Troost Ave.
Eubank, A. E., 3021 South West Bl.
Farney, H. M., Second & Wabash Ave.
Fields, Tom, Eighteenth & Prospect Ave.
Florian, A. J., Ninth & Holmes St.
Foster, Hal, 402 Altman Bldg.
Fowlston, John, 327 Shukert Bldg.
Frankenburger, J. M., 534 Rialto Bldg.
Freyman, A. A., 1201 Independence.
Freyman, J., 1201 Independence.
Frick, Wm. 301 Rialto Bldg.
Frick, W. J., 311 Commerce Bldg.
Fryer, B. E., 520 E. Ninth St.
Fulton, A. L., 430 Deardorff Bldg.
Fulton, C. M., 534 Altman Bldg.
Gaines, J. W., 406 Rialto Bldg.
Goldman, Max, 309 Century Bldg.
Gosney, C. W., 718 Shukert Bldg.
Greenlee, A. R., 3016 E. Eleventh St.
Green, J. W., Independence, Mo.
Griffith, J. D., 522 Rialto Bldg.
Hall, C. L., Bryant Bldg.
Hall, D. W., Bryant Bldg.

Hall, F. J., 288 Olive St.
Halley, George, Ridge Bldg.
Hamel, G. F., 706 W. Tenth St.
Hamilton, H. D., 1806 E. Thirty-first St.
Hanawalt, H. O., 1214 Main St.
Hanna, M. A., 2711 Brooklyn St.
Hardin, C. B., Rialto Bldg.
Harrison, A., Lee's Summitt, Mo.
Harrison, E. Lee, 621 E. Thirtieth St.
Harrelson, N. O., Rialto Bldg.
Harrington, J. L., 1021 Grand Ave.
Hashinger G. H., Rialto Bldg.
Hays, H. C., 310 Century Bldg.
Hearst, A. L., 4521 Independence
Heller, H. L., 1208 Wyandotte Ave.
Henry, F. J., 2203 Brooklyn Ave.
Hertzler, A. E., 508 Altman Bldg.
Hetherington, E. M., Altman Bldg.
Hickerson, J. C., Independence Ave.
Hill, Howard, Rialto Bldg.
Holbrook, R. W., 224 Bryant Bldg.
Horigan, J. A., 3100 Main St.
Hoagland, W. L., 1221 E. Twenty-fourth St.
Hubbard, E. E., Rialto Bldg.
Hyde, B. C., 404 Bryant Bldg.
Irwin, C. B., 426 Ridge Bldg.
Iuen, F. J., 1334 Grand Ave.
Iuen, W. C., 1334 Grand Ave.
Jacobs, Ben., Altman Bldg.
Jackson, J. N., Rialto Bldg.
Jackson, C. A., Rialto Bldg.
James, S. C., Bryant Bldg.
Jennett, H. N., 4603 E. Ninth St.
Jerowitz, H. D., 1233 Grand Ave.
Jones, O. F., Rialto Bldg.
Jones, K. P., 1028 Walnut St.
Johnstone, P. A., Shukert Bldg.
Kanoky, J. P., 912 Walnut St.
Kepper, J. W., 720 Shukert Bldg.
King, G. A., 400 Altman Bldg.
King, W. E., 403 Commerce Bldg.
Kistler, J. R., 601 S. W. Blvd.
Kimberlin, J. W., 532 Altman Bldg.
Knox, Andrew C., 322 Altman Bldg.
Krimminger, C. E., Independence, Mo.
Kuhn, W. F., Farmington, Mo.
Kyger, J. W., 815 E. Thirty-first St.
Lahmer, Ira B., 1336 Broadway.
Lake, N. E., Fourteenth & Summitt.
Lane, H. H., 800 S. W. Blvd.
Langsdale, J. M., Altman Bldg.
Laning, J. R., 623 Shukert Bldg.
Lauranzana, Louis, Fifth & Cherry St.
Leverich, Leslie, Twelfth & Brooklyn Ave.
Leonard, H. O., 521 Shukert Bldg.
Leonard, W. H., 601 S. W. Blvd.
Lester, Chas. H., Bryant Bldg.
Lee, R. H., 3409 Wyandotte St.
Lewis, Ned. O., Fourteenth & Grand Ave.
Lewis, J. K., 1212 Wyandotte Ave.
Lewis, Nannie P., 1219 Wyandotte Ave.
Lichtenberg, Jos., 1209 Wyandotte.
Lieberman, B. A., 1107 McGee Ave.
Logan, J. E., 1229 Wyandotte Ave.
Look, H. H., 428 Altman Bldg.
Loyd, O. H., Oak Grove, Mo.
Lusher, L. W., Twelfth & Grand Ave.
Lyle, H. M., 523 Altman Bldg.
Mallett, Eugene P., Twelfth & Wyandotte.
McCall, H. B., Twelfth & Main St.
McCandless, O. H., 305 Altman Bldg.
McCrea, Maggie L., 526 Ridge Bldg.
McDonald, Chet., Rialto Bldg.
McDonald, P. L., 527 Rialto Bldg.
McKee, J. W., Rialto Bldg.
McQuade, H. D., 435 New Ridge Bldg.
McVey, Newton, Rialto Bldg.
Manahan, H. J., 534 Rialto Bldg.
Manko, E., Twelfth & Central St.
Mann, A. W., Oak Grove, Mo.
Mark, E. G., 1208 Wyandotte Ave.
Martin, H. L., 601 Twelfth St.
Martin, J. C., 3026 W. 23rd St.
Merriman, C. S., 2511 Forest Ave.
Middleton, James, 412 N. Mongall Ave.
Miller, Abram, Rialto Bldg.
Miller, Hugh, 1021 Grand Ave.
Montgomery, W. E., Rialto Bldg.
Moennighoff, F. J., Rialto Bldg.
Morrow, C. J., Bryant Bldg.
Morrow, W. F., Altman Bldg.
Morris, W. C., 315 Garfield Ave.
Mosher, G. C., Bryant Bldg.
Mott, J. S., Rialto Bldg.
Murphy, F. E., Deardorff Bldg.
Neff, F. C., Altman Bldg.
Newhouse, Stanley, 452 Ridge Bldg.
Norberg, G. B., 526 Altman Bldg.
O'Connor, C., 815 McGee St.
O'Donnell, A., 327 Altman Bldg.
Owens, M. J., 603 S. W. Blvd.
Pearse, H. E., Rialto Bldg.
Parker, O. H., Twelfth & Central St.
Perkins, J. W. Altman Bldg.
Pettijohn, N. J., 1310 Tracy Ave.
Pickerill, C. W., 401 Rialto Bldg.
Pinckard, C. G., Eighth & Campbell St.
Phillips, E. T., 1019 Broadway.
Porter, A. L. Rialto Bldg.
Porter, D. R., Tenth & Washington Ave.
Punton, John, Altman Bldg.
Ralston, J. H., 1800 W. Twenty-ninth St.
Rathbone, F. W., Rialto Bldg.
Reed, W. M., Rialto Bldg.
Reyling, F. T., 119 Troost Ave.
Rice, Wm., 402 Hall Bldg.
Richardson, K. B., Ridge Bldg.
Ridge, I. M., Ridge Bldg.
Riegle, D. H., Twelfth & Summitt St.
Ritter, C. A. Altman Bldg.
Roberts, C. F., 720 Shukert Bldg.
Robertson, J. A., 705 Shukert Bldg.
Robinson, E. F., Bryant Bldg.
Robinson, J. L. Altman Bldg.
Rogers, J. C., Rialto Bldg.
Rosenwald, Leon, Rialto Bldg.
Rowe, W. G., Blue Springs, Mo.
Russell, E. L., 805 Altman Bldg.
Sams, W. M., 806 Independence
Sanders, F. L., 517 Shukert Bldg.
Sanders, St. Elmo, Rialto Bldg.
Sandzen, Carl, Rialto Bldg.
Sawyer, J. F., Fifth & Ledje Ave.
Schauffler, E. W., Deardorff Bldg.
Schauffler, R. McE., Deardorff Bldg.
Schutz, W. H., Bryant Bldg.
Scott, A. J., Ridge Bldg.
Scott, J. N., Ridge Bldg.
Sexton, M. P., Century Bldg.
Sheley, O. C., Independence, Mo.
Shelton, W. A., 331 Shukert Bldg.
Sherer, J. W., 1208 Wyandotte Ave.
Shumate, D. L., 516 Shukert Bldg.
Singleton, J. M., Fifteenth & Troost Ave.
Skinner. E. H., 207 Commerce Bldg.
Sloan, R. T., Rialto Bldg.
Smith, A. E., University Bldg.
Smith, R. M., 203 E. Twelfth St.
Stephens, N. A., 813 E. Thirty-first St.
St. Clair, R. L., 115 Hardestry Ave.
Stevens, W. W., Greenwood, Mo.
Stewart, E. L., 521 Shukert Bldg.
Streett, St. Clair, 123 W. Twelfth St.
Strother, J. S., 311 Commerce Bldg.
Swaney, Loren, Hickman Mills, Mo.
Talbot, Ambrose, Rialto Bldg.
Taylor, L. G., 720 Woodland Ave.
Tesson, N. A. G.,332 Shukert Bldg.
Thomas, A. W., Springfield, Mo.
Thompson, G. B., Twelfth & Central Bl.
Thompson, James, Rialto Bldg.
Thompson, J. H., Deardorff Bldg.
Thornton, T. R., Lee's Summitt, Mo.
Thrailkill, E. H., Rialto Bldg.
Tiffany, F. B., 805 McGee St.
Trimble, W. K., 2742 Holmes St.
Tureman, H. G., 702 Commerce Bldg.
Twyman, G. T., Independence, Mo.
Van Eman, F. T., 415 Argyle Bldg.
Von Quast, Ernst, Century Bldg.
Wall, A. H., 3839 Independence
Watson, B. F., Rialto Bldg.
Wever, J. S., 503 Bryant Bldg.
Welch, A. J., Twenty-ninth & S. W. Blvd.
Wedding, E. V., Fifth & Brooklyn Ave.
Weiss, F. H., 415 Deardorff Bldg.

Willits, W. C., Rialto Bldg.
Wheeler, B. H., 324 Deardorff Bldg.
Wheeler, W. S., Twelfth & Grand Ave.
Wilson, A. M., 906 Main St.
Wilson, Dora G., University Bldg.
Wilson, John, 720 Shukert Bldg.
Wolf, I. J., Rialto Bldg.
Wood, D. L., 4 East Tenth St.
Wood, N. P., Independence, Mo.
Woolley, P. V., 914 Harrison St.
Zwart, B. H., 1019 Prospect Ave.

JASPER COUNTY.

Anderson, F. L., Joplin, Mo.
Bachelder, F. S., Asbury, Mo.
Balsley, M. T., Joplin, Mo.
Blackerby, P. E., Joplin, Mo.
Blackwell, Z. T., Joplin, Mo.
Clark, J. W., Carterville, Mo.
Cummings, C. C., Joplin, Mo.
Freeman, A. B., Joplin, Mo.
Grantham, S. A., Joplin, Mo.
Haas, H. R., Joplin, Mo.
Hill, D. R., Joplin, Mo.
James, R. M., Joplin, Mo.
Kelso, R. S., Joplin, Mo.
Ketcham, C. M., Carthage, Mo.
Kincheloe, M. B., Joplin, Mo.
Lanyon, W. H., Joplin, Mo.
McClure, G. W., Carterville, Mo.
Matthews, L. I., Joplin, Mo.
Miller, G. W., Joplin, Mo.
Miller, S. H., Joplin, Mo.
Neff, R. L., Joplin, Mo.
Newman, J. D., Joplin, Mo.
Pifer, J. D., Joplin, Mo.
Shelton, M. C., Joplin, Mo.
Snyder, A. R., Joplin, Mo.
Spriggs, M. L., Joplin, Mo.
Steele, W. E., Carthage, Mo.
Woolfe, B. F., Carthage, Mo., R.F.D., No.1.

JEFFERSON COUNTY.

Bryan, G. G., De Soto, Mo.
Donell, J. F., Festus, Mo.
Elders, H. W. De Soto, Mo.
Farrar, G. W., DeSoto, Mo.
Gibson, W. E., De Soto, Mo.
Hamel, A. H., De Soto, Mo.
Harris, C. G., Festus, Mo.
Hull, W. W., Sulphur Springs, Mo.
Jones, J. E., Hillsboro, Mo.
McNutt, I. N., Pevely, Mo.
Pickel, J. W., Crystal City, Mo.

JOHNSON COUNTY.

Aber, W. H., Montserrat, Mo.
Adcock, D. C., Warrensburg, Mo.
Adcock, J. A. B., Warrensburg, Mo.
Anderson, J. I., Warrensburg, Mo.
Anderson, J. T., Warrenburg, Mo., R.F.D.
Bozarth, John A., Centerview, Mo.
Bradley, T. L., Warrensburg, Mo.
Case, Z., Warrensburg, Mo.
Gilbert, E. H., Warrensburg, Mo.
Graves, E. A., Kingsville, Mo.
Hall, O. B., Warrensburg, Mo.
Johnson, W. E., Warrensburg, Mo.
Murray, L. F., Holden, Mo.
Ozias, C. O., Warrensburg, Mo.
Porter, J. E., Knobnoster, Mo.
Parks, Henry, Dunksburg, Mo.
Rice, J. M., Columbia, Mo.
Shy, M. P., Knobnoster, Mo.
Schofield, L. J., Warrensburg, Mo.
Schooley, R. C., Robins, Mo.
Tilton, A. L., Truxton, Arizona.
Thompson, W. G., Holden, Mo.

KNOX COUNTY.

Arnett, A., Novelty, Mo.
Brown, G. S., Edina, Mo.
Brown, L. S., Edina, Mo.
Jurgens, H. J., Edina, Mo.
Luman, F. E., Baring, Mo.
Myers, J., Greensburg, Mo.
Northcutt, J. R., Knox City, Mo.
O'Connor, W. F., Baring, Mo.
St. John, H. H., Edina, Mo.
Wilson, R. E., Labelle, Mo.

LACLEDE COUNTY.

Barker, J. C., Russ, Mo.
Billings, J. M., Lebanon, Mo.
Herbert, T. B., Lebanon, Mo.
Jacobs, J. M., Conway, Mo.
Lindsey, J. A., Orla, Mo.
Lockwood, W. A., Conway, Mo.
McComb, J. A., Lebanon, Mo.
McComb, Jas., Lebanon, Mo.
Perkins, J. M., Lebanon, Mo.
Pinckard, J. A., Lebanon, Mo.
Pritchett, P. L., Lebanon, Mo.

LAFAYETTE COUNTY.

Barclay, R. D., Odessa, Mo.
Braecklein, W. A., Higginsville, Mo.
Carthrae, Lewis, Cordee, Mo.
Cope, J. Q., Lexington, Mo.
Crank, A. C., Odessa, Mo.
Fredendall, G. W., Lexington, Mo.
Fulkerson, J. J., Lexington, Mo.
Gaines, E. F., Bates City, Mo.
George, J. H., Odessa, Mo
Harwood, W. G., Dover, Mo.
Mann, F. W., Wellington, Mo.
McGinnis, F., Higginsville, Mo.
O'Neal, W. C, Waverly, Mo.
Perrie, J., Mayview, Mo.
Ramsey, C. F., Dover, Mo.
Ryland, C. T., Lexington, Mo.
Schneider, J. A., Concordia, Mo.
Tucker, J. E., Lexington, Mo.
Webb, W. C., Higginsville, Mo.
Williams, H., Odessa, Mo.

LAWRENCE COUNTY.

Andrew, J. P., Marionville, Mo.
Baird, Jessie P., Marionville, Mo.
Burney, W. S., Miller, Mo.
Cottingham, I. A., Aurora, Mo.
Craven, J. H., Marionville, Mo.
Fleming, J. B., Aurora, Mo.
Goodrich, E. E., Crane, Mo.
Harris, J. A., Mt. Vernon, Mo.
Hoffman, D. M., Crane, Mo.
Holmes, W. M., Chesapeake, Mo.
King, C. R., Stotts City, Mo.
McCall, T. D. S., Marionville, Mo.
Madry, A. H., Aurora, Mo.
Melton, J. A., Aurora, Mo.
Mitchell, D. L., Cassville, Mo.
Moore, C. A., Aurora, Mo.
Painter, J. M., Mt. Vernon, Mo.
Rodman, W. W., Pierce City, Mo.
Roseberry, E. C., Mt. Vernon, Mo.
Shelton, C. W., Mt. Vernon, Mo.

LINCOLN COUNTY.

Avery, C. D., Troy, Mo.
Beatty, J. D., Troy, Mo.
Duwelins, L. H., Briscoe, Mo.
Hicks, E. A., Old Monroe, Mo.
McKay, S. R., Troy, Mo.
Pendleton, L., Troy, Mo.
Smith, W. P., Troy Mo.
Stanley, J. T., Winfield, Mo.
Strickland, J. R., Moscow Mills, Mo.

LINN COUNTY.

Buck, U. G., Rothville, Mo.
Burke, F. W., Laclede, Mo.
Burke, J. L., Laclede, Mo.
Cantwell, J. L., Bucklin, Mo.
Cochran, F. B., Brookfield, Mo.
Dryden, U. G., Purden, Mo.
Eure, J. B., Brookfield, Mo.
Fore, T. P., Brookfield, Mo.
Haley, Robt., Brookfield, Mo.
Howard, D. F., Brookfield, Mo.
Jenkins, C. E. B., Brookfield, Mo.
Knott, A. W., Marceline, Mo.
Lane, J. W., Linneus, Mo.

Mason, J. W., Brookfield, Mo.
Morris, Robt. H., Linneus, Mo.
Musgrove, W. H., Eversonville, Mo.
Oven, T. P., Brookfield, Mo.
Perrin, J. H., Marceline, Mo.
Polson, J. T., Laclede, Mo.
Putnam, B. B., Marceline, Mo.
Putnam, Ola, Marceline, Mo.
Riding, O. H., Meadville, Mo.
Stanley, Z. T., Laclede, Mo.
Standly, Kathryn V., Brookfield, Mo.
Standly, E. D., Linneus, Mo.
Stephenson, J. T., Tina, Mo.
Stratton, C. D., Rothville, Mo.
Thompson, J. M., Meadville, Mo.
Trippier, Bert, Browning, Mo.

LIVINGSTON COUNTY.

Alexander, G. W., Chula, Mo.
Batdorff, F. P., Farmersville, Mo.
Barney, R., Chillicothe, Mo.
Beeman, S. M., Chillicothe, Mo.
Carver, H. N., Kansas City, Mo.
Chaffin, R. E., Avalon, Mo.
Cherrington, J. F., Denver, Colo.
Cobbell, E. H., Chillicothe, Mo.
Gibson, H. C., Mooresville, Mo.
Gordon, David, Chillicothe, Mo.
Girdner, Wm. M., Chillicothe, Mo.
Grace, H. M., Chillicothe, Mo.
Houf, W., Farmersville, Mo.
Murray, R. W., Dawn, Mo.
Ogan, E. F., Chula, Mo.
Piatt, S. K., Chillicothe, Mo.
Simpson, A. J., Chillicothe, Mo.
Stevens, B. N., Chillicothe, Mo.
Swope, W. A., Wheeling, Mo.
Tracy, L. E., Chillicothe, Mo.
Trimble, J. W., Wheeling, Mo.
White, W. L., Springhill, Mo.

MACON COUNTY.

Allen, F. W., Callao, Mo., R. F. D.
Bradley, W. E., Ethel, Mo.
Brewington, G. F., Bevier, Mo.
Bunch, B. F., Bloomington, Mo.
Campbell, J. F., La Platte, Mo.
Clements, E. B., Macon, Mo.
Drew, F. W., Ethel, Mo.
Forster, J. P., Lacrosse, Mo.
Hunt, J. R., Ardmore, Mo.
Mason, L. O., Bevier, Mo.
Milam, B. J., Macon, Mo.
Miller, A. B., Macon, Mo.
Miller, W. H., Macon, Mo.
Naylor, O., Atlanta, Mo.
Norris, T. J., Macon, Mo.
Pipkin, W. D., Excello, Mo.
Raines, A. M., Ten-Mile, Mo.
Reagan, C. W., Macon Mo.
Salyer, C. E., Callao, Mo.
Schwab, B. C., Ardmore, Mo.
Smith, C. W., Keota, Mo.
Smith, E. S., Macon, Mo.
Southern, J. N., Atlanta, Mo.
Tainter, P. R., Callao, Mo.
Trippier, F. L., College Mound, Mo.
Thompson, L. M., Macon, Mo.
Webb, W. E., Macon, Mo.
Welch, W. A., Callao, Mo.

MADISON COUNTY

Anthony, C. A., Fredericktown, Mo.
Banon, Harry, Mine Lamotte, Mo.
Cozzen, E. P., Fredericktown, Mo.
Davis, C. U., Fredericktown, Mo.
Dines, G. L., Mine Lamotte, Mo.
Gale, F. W., Marquand, Mo.
Greenwood, G. W., Fredericktown, Mo.
Haley, O., Fredericktown, Mo.
Slaughter, S. C., Fredericktown, Mo.
Smith, J. K. Fredericks'own Mo.

MARION COUNTY.

Banks, H. L., Hannibal, Mo.
Baskett, J. N., Hannibal.
Bounds, E. H., Hannibal, Mo.
Bourn, J. J., Hannibal, Mo.
Bush, F. W., Hannibal, Mo., R.F.D.
Chilton, J. C., Hannibal, Mo.
Chowning, Thos., Hannibal, Mo.
Coons, J. N., Hannibal, Mo.
Detweiler, A. J., Hannibal, Mo.
Farrell, J. J., Hannibal, Mo.
Goodier, Robt. H., Hannibal, Mo.
Guss, W. C., Hannibal, Mo.
Hays W. H., Hannibal, Mo.
Hornback, E. T., Hannibal, Mo.
Howell, J. S., Hannibal, Mo.
Kabler, P. L., Hannibal, Mo.
Primm, J. N., Hannibal, Mo.
Reid, J., Hannibal, Mo.
Schmidt, R., Hannibal, Mo.
Shanks, A. L., Hannibal, Mo.
Smith, U. S., Hannibal, Mo.
Vandiver, C. E., Hannibal, Mo.
Waldo, E. E., Hannibal, Mo.

MERCER COUNTY.

Bristow, G. M., Princeton, Mo.
Buren, C. R., Princeton, Mo.
Chesmore, H. P., Princeton, Mo.
Nally, H., Cainsville, Mo.
Perry, J. M., Princeton, Mo.

MILLER COUNTY.

Allee, W. L., Eldon, Mo.
Allee, W. S., Olean, Mo.
Brockman, H. H., Eldon, Mo.
DeVilbiss, F., Spring Garden, Mo.
Dickson, W. D., Tuscombia, Mo.
Gilleland, J. L., Olean, Mo.
Hickman, S. P., Ulman, Mo.
Kouns, D. H., Tuscombia, Mo.
Mace, G. R., Iberia, Mo.
Temple, J. W., Eldon, Mo.
VanGremp, W. A., Iberia, Mo.
Walker, G. D., Eldon, Mo.

MISSISSIPPI COUNTY.

Boggan, P. P., East Prairie, Mo.
Chapman, A. W., Charleston, Mo.
Davis, J. S., Whiting, Mo.
Hamner, M. D., Bertrand, Mo.
Howle, W. P., Charleston, Mo.
Lynch, J. W., Charleston, Mo.
Martin, A. L., East Prairie, Mo.
Ogilvie, R. K., Charleston, Mo.
Reid, H. L., Charleston, Mo.
Wallace, G. R., Bertrand, Mo.

MONITEAU COUNTY.

Bramel, H. W., McGirk, Mo.
Burke, J. P., California, Mo.
Crum, J. A., Marion, Mo.
Dearing, W. A., Jamestown, Mo.
Freudenberger, H., Centertown, Mo.
English, J. E., Bacon, Mo.
Klueber, H. C., California, Mo.
Latham, H. W., Latham, Mo.
Latham, L. L., Latham, Mo.
Marsh, J. W., Tipton, Mo.
Norman, J. B., California, Mo.
Patterson, W. R., Tipton, Mo.
Popejoy, H. R., High Point, Mo.
Robertson, J. M., Latham, Mo.
Stewart, J. B., Clarksburg, Mo.
Thorpe, A. W., Jamestown, Mo.
Wilson, G. S., Fortuna, Mo.

MONROE COUNTY.

Baker, Chas., Sante Fe, Mo.
Bell, W. T., Stoutville, Mo.
Brown, S. M., Monroe City, Mo.
Brown, J. E., Florida, Mo.
Carver, F. H., Madison, Mo.
Cassity, G. H., Tulip, Mo
Dixon, C. H., Holliday, Mo.
Duncan, Edward, Long Branch, Mo.
Ely, A. E., Monroe City, Mo.
Johnson, G. A., Holliday, Mo.
Lensley, M. E., Madison, Mo.
Lloyd, T. B., Paris, Mo.
McMurry, M. C., Paris, Mo.

McNutt, W. R. A., Monroe City, Mo.
Moss, F. M., Paris, Mo.
Payne, H. G., Paris, Mo.
Shobe, H. G., Paris, Mo.

MORGAN COUNTY.

Beale, J. T., Versailles, Mo.
Gunn, A. J., Versailles, Mo.
Hatler, W. L., Barnett, Mo.
Kelly, R.O., Versailles, Mo.
Lutman, H. M., Versailles, Mo.
Short, J. S., Versailles, Mo.
Weist, C. A., Stover, Mo.
Woods, P. G., Versailles, Mo.

NODAWAY COUNTY.

Allen, A. B., Maryville, Mo.
Anthony, F. R., Maryville, Mo.
Barnett, A. D., Guilford, Mo.
Bradbury, R. M., Maryville, Mo.
Crowson, E. L., Pickering, Mo.
Crowson, Egbert, Gaynor City, Mo.
Day, Hiram, Parnell, Mo.
Dean, J. W., Maryville, Mo.
Dean, L. E., Maryville, Mo.
Dowell, H. S., Clearmont, Mo.
Elder, E. C., Maryville, Mo.
Ellis, C. A., Maryville, Mo.
Goodson, H. C., Hopkins, Mo.
Heryford, W. B., Pickering, Mo.
Howell, C. F., Bedison, Mo.
Johns, Gomer, Wilcox, Mo.
Kessler, O. C., Ravenwood, Mo.
Koch, C. D., Maryville, Mo.
Kummins, K. C., Maryville, Mo.
Large, S. D., Hopkins, Mo.
Larrabee, J. A., Barnard, Mo.
McClanahan, G. N., Guilford, Mo.
Molzahn, E. T., Ravenwood, Mo.
Nash, G. A., Maryville, Mo.
Pierpoint, J. E., Skidmore, Mo.
Pollard, D. A., Barnard, Mo.
Pollard, M. M., Barnard, Mo.
Robinson, J. B., Quitman, Mo.
Sayler, H. L., Elmo, Mo.
Smith, D. G., Arkoe, Mo.
Stuckle, W. P., Clyde, Mo.
Todd, J. H., Maryville, Mo.
Wallis, W. M., Maryville, Mo.
Wallis, F. C., Maryville, Mo.
Wood, W. S., Elmo, Mo.

NEW MADRID COUNTY.

Atkisson, J. A., Moorehouse, Mo.
Bell, J. B., Moorehouse, Mo.
Digges, W. L., New Madrid, Mo.
Hart, J. W., Moorehouse, Mo.
Hollenbeck, J., Portageville, Mo.
O'Bannon, W., New Madrid, Mo.
Sparhawk, W. J., Marston, Mo.
Timbermann, J. H., Marston, Mo.
Watson, C. W., New Madrid, Mo.
Williams, J. J., New Madrid, Mo.
Williams, R. L., Point Pleasant, Mo.

NEWTON COUNTY.

Benton, A. W., Neosho, Mo.
Bowers, H., Neosho Mo.
Bridges, J. M., Tipton Ford, Mo.
Brown, W. D., Newtonia, Mo.
Campbell, Wm., Seneca, Mo.
Chapman, U. S., Diamond, Mo.
Cravens, W. A., Granby, Mo.
Doty, E. G., Anderson, Mo.
Foster, H. F., Neosho, Mo.
Hancock, J. B., Newtonia, Mo.
Harrison, G. W., Newtonia, Mo.
Hodges, J. J., Granby, Mo.
Lamson, J. W., Neosho, Mo.
Lamson, R. C., Neosho, Mo.
Langley, J. W., Granby, Mo.
Maas, A., Neosho, Mo.
Porter, H. L., Seneca, Mo.
Roseberry, E. M., Neosho, Mo.
Vancleave, C. T., Neosho, Mo.
Weems, D. L., Neosho, Mo.
Wills, R. L., Neosho, Mo.

PEMISCOT COUNTY.

Bugg, A. F., Pascola, Mo.
Crowe, B. D., Caruthersville, Mo.
Conard, A. R., Caruthersville, Mo.
Cooper, T. S., Steele, Mo.
Hendrix, M. B., Caruthersville, Mo.
Hudgings, M. H., Caruthersville, Mo.
Luten, J. B., Caruthersville, Mo.
Granger, G. A., Steele, Mo.
Johnson, J. W., Hayti, Mo.
Martin, Chas. E., Caruthersville, Mo.
Tipton, Q. A., Cottonwood Point, Mo.
Tipton, P. L., Cooter, Mo.
Turley, Otto, Steele, Mo.

PETTIS COUNTY.

(All addresses are Sedalia, Mo., unless otherwise stated.)

Albers, E. A., Smithton, Mo.
Bishop, W. T., Hughesville, Mo.
Bohling, C., 5th and Ohio.
Campbell, A. J., 301 Ohio.
Cartwright, C. P., Sedalia, R.F.D., No. 1.
Clabough, O. W., Greenridge, Mo.
Cole, H. B., 501 S. Engineer.
Cole, W. M., 501 S. Engineer.
Collins, M. T., 219 Ilgenfritz Bldg.
Cowan, W. G., 504 S. Ohio.
Dunlap, W. O., 108 West Main St.
Dyer, David P., Dresden, Mo.
Evans, W. H., Beaman, Mo.
Ferguson, L., Green Ridge, Mo.
Ferguson, W. J., 321 Ohio.
Harris, B. M., Georgetown, Mo.
Hite, H. A., Greenridge, Mo.
Hubbard, J. D., Versailles, Mo.
Kelly, Sam., Ilgenfritz Bldg.
Knott, Minerva, E. 7th St.
Love, J. G., M. K. & T. Hospital.
McNeil, C. A., M. K. & T. Hospital.
McNeil, G. E., M. K. & T. Hospital.
Martin, J. G., 700 East Broadway.
Mitchel, J., Lookout, Mo.
Morley, R. R., 1103 E. 5th St.
Overstreet, W. C., 312 S. Ohio.
Parkhurst, C. L., Houstonia, Mo.
Prowell, J. D., Longwood, Mo.
Sands, M. L., Cole Camp, Mo.
Simonds, Wallace, 418 S. Ohio.
Sutton, F. L., Hoffman Bldg.
Shirk, W. S., Hoffman Bldg.
Titsworth, G., 508 S. Ohio St.
Trader, J. W., 5th and Ohio.
Tucker, A. J., 401 S. Ohio.
Tyler, R. S., Dunsburg, Mo.
Vancey, E. F., M. K. & T. Hospital.
Wood, E. A., Hoffman Bldg.

PHELPS COUNTY.

Baysinger, S. L., Rolla, Mo.
Burns, W. F., Newburg, Mo.
Breuer, W. H., St. James, Mo.
Cowan, R. B., Edgar Springs, Mo.
Gowin, O. G., St. James, Mo.
Johnson, R. L., Rolla, Mo.
Rowe, S. B., Rolla, Mo.
Short, N. J., Rolla, Mo.
Smith, B. T., Newburg, Mo.
Fulbright, C. H., St. James, Mo.

PLATTE COUNTY.

Barr, A. C., Linkville, Mo.
Benham, C. E., Parkville, Mo.
Chastain, C. H., Weston, Mo.
Clark, H. M., Platte City, Mo.
Coffey, G. C., Platte City, Mo.
Dinwiddie, F. G., Camden Point, Mo.
Gardner, P. L., Waldron, Mo.
Hale, J. M., Dearborn, Mo.
Herndon, A. S., Camden Point, Mo.
Moore, M. H., Dearborn, Mo.
Morrison, Virgil, Iatan, Mo.
Naylor, Alva, Platte City, Mo.
Patterson, H. H., Edgerton, Mo.
Redman, Spencer, Platte City, Mo.
Smedley, W. H., Weston, Mo.
Swaney, W. D., Linkville, Mo.
Wilson, R. P. C., Platte City, Mo.

PULASKI COUNTY.

Carter, W. C., Dixon, Mo.
Clairborn, D., Waynesville, Mo.
Harrison, R. T., Dixon, Mo.
Murphy, H. C., Richland, Mo.
Oliver, [illegible] A., Richland, Mo.
Ragan, W. L., Richland, Mo.
Rolens, L. E., Dixon, Mo.
Stebbins, N. L., Crocker Mo.
Tice, L., Waynesville, Mo.

PUTMAN COUNTY.

Carryer, C. H., Hartford, Mo.
Cozad, F. A., Powerville, Mo.
Geisinger, E. J., Unionville, Mo.
Gray, L. L., St. John, Mo.
Haynes, Lee, Mendota, Mo.
Holman, J. H., Unionville, Mo.
Montgomery, E. A., Unionville, Mo.
Noel, Frank, Unionville, Mo.
Rice, F. D., Lucerne, Mo.
Townsend, J. A., Unionville, Mo.

RALLS COUNTY.

Birney, W. L., Oakwood, Mo.
Downing, T. J., New London, Mo.
Graves, C. H., Center, Mo.
Hendrix, W. G., New London, Mo.
Horwood, W. S., Rensselear, Mo.
Monroe, Thos., Center, Mo.
McCullon, R. W., Center, Mo.
Ragen, Sam., New London, Mo.
Walter, Fred., Perry, Mo.
Waters, W. T., New London, Mo.
Wix, F. M., Center, Mo.
Winn, M., Hosco, Mo.

RANDOLPH COUNTY.

Braggs, G. G., Huntsville, Mo.
Clapp, C. B., Moberly, Mo.
Cuppaidge, G. O., Moberly, Mo.
Dickerson, W. M., Renick, Mo.
Hickerson, E. R., Moberly, Mo.
Magee, W. K., Moberly, Mo.
Mangus, C. W., Moberly, Mo.
Mangus, T. D., Moberly, Mo.
Schrader, W. E., Moberly, Mo.

RAY COUNTY.

Cook, T. B., Rayville, Mo
Crowley, C. C., Richmond, Mo.
Greene, L. D., Richmond, Mo.
Hamilton, R. L., Richmond, Mo.
Higdon, E. F., Richmond, Mo.
Magor, H., Hardin, Mo.
McGaugh, E. T., Richmond, Mo.
Mussen, E. H., Richingham, Mo.
Sevier, R., Richmond, Mo.
Shotwell, C. B., Richmond, Mo.
Smith, James W., Richmond, Mo.
Sheets, R., Orrick, Mo.

RIPLEY COUNTY.

Cordrey, H. D., Chaffee, Mo.
Kerr, Wesley B., Doniphan, Mo.
Proctor, S. A., Doniphan, Mo.
Redwine, J. F., Doniphan, Mo.

ST. CHARLES COUNTY.

Baltzer, H., Cottleville, Mo.
Bitter. Carl, St. Charles, Mo.
Bruere, John, St. Charles, Mo.
Corley, H. N., St. Paul, Mo.
Dunn, E. P., St. Peter, Mo.
Gassow, A., St. Charles, Mo.
Hardy, Wm. F., 2302 N. Jefferson Ave., St. Louis.
Morgner, O., St. Charles, Mo.
Mudd, J. R., St. Charles, Mo.
Muhn, O. A., New Melle, Mo.
Stumberg, B. K., St. Charles, Mo.
Tainter, E. J., St. Charles, Mo.
Wentker, B. P., St. Charles, Mo.

ST. CLAIR COUNTY.

Bell, W. E., Osceola, Mo.
Cline, W., Appleton City, Mo.
Edmonson, M. T., Iconium, Mo.
Gathright, J. B., Appleton City, Mo.
Landaker, C. L., Collins, Mo.
Mason, J. W., Weaubleau, Mo.
Miles, E. D., Osceola, Mo.
Moorehouse, Emma, Appleton City, Mo.
Russell, R. L., Osceola, Mo.
Smith, R. J., Johnson City, Mo.
Stratton, C. S., Roscoe, Mo.
Williams, D. B., Osceola, Mo.

ST. FRANCOIS COUNTY

Barber, M. B., Flat River, Mo.
Burch, E. J., Doe Run, Mo.
Evans, A. L., Bonne Terre, Mo.
Haney, T. L., Flat River, Mo.
Keith, F. L., Flat River, Mo.
Marshall, A., Bonne Terre, Mo.
Perkins, G. B., Elvins, Mo.
Poston, C. P., Bonne Terre, Mo.
Robinson, B. J., Farmington. Mo.
Shannon, I. N., Knob Lick, Mo.
Smith, O. A., Farmington, Mo.

STE. GENEVIEVE COUNTY.

Hertich, C. J., Ste. Genevieve, Mo.
Hinch, F. E., Ste. Genevieve, Mo.
Jarvis, N. W., Bloomdale, Mo.
Lanning, R. W., Ste. Genevieve, Mo.
Meyer, A. G., Ste. Genevieve, Mo.
Moore, C., St. Mary's, Mo.
Morganstein, H. J., Weingarten, Mo.
Rutledge, G. M., Ste. Genevieve, Mo.
Shirley, J. M., St. Mary's, Mo.
Wilkins, J. A., St. Mary's, Mo.

ST. LOUIS COUNTY.

Brossard, P. M., Maplewood, Mo.
Campbell, A. V., 311 Globe Democrat Bldg., St. Louis.
Cape, L. W., Maplewood, Mo.
Carter, H., Webster Groves, Mo.
Coleman, H. F., Pattonville, Mo.
Dalton, M., Fenton, Mo.
Denny, R. B., Eureka, Mo.
Douglass, J. T., Ferguson, Mo.
Dunnavant, C. A., Kirkwood, Mo.
Gallagher, J. C., Kirkwood, Mo.
Greensfelder, H., 522 Washington Ave., St. Louis.
Higgins, R. M., Kirksville, Mo.
Jenson, N. N., Florisant, Mo.
Kinner, Wm., Ferguson, Mo.
Moore, R. D., Central, Mo.
Pfister, J. D., Creve Coeur, Mo.
Pitman, John, Kirkwood, Mo.
Reynolds, S. H., Maplewood, Mo.
Thurman, E. J., Fenton, Mo.
Townsend, W. H., Maplewood, Mo.
Wyer, H. G., Kirkwood, Mo.

ST. LOUIS MEDICAL SOCIETY.

(All addresses St. Louis, Mo.)

Abeken, F. W., 3531 S. Broadway.
Albrecht, F. H., 3763 Westminster Pl.
Allison, N., Linmar Bldg.
Allyn, A. B., 5004 Arsenal Ave.
Alt, A., 3036 Locust Str.
Althans, Carl., 2024 S. Jefferson.
Ambrose, A. O., 313 N. Ninth Str.
Ameiss, F. C., Vanol Bldg.
Amos, N. W., 3001 Olive Str.
Amyx, R. F., 1943 N. Eleventh Str.
Amerland, J. H., 2739 Chippewa St.
Apperson, E. L., 3343 Morgan.
Atkins, H. S., Insane Asylum.
Atkinson, R. C., 3002 Lafayette Ave.
Aufderheide, W. D., 2754 Arsenal Str.
Auler, H. A., 2708 Lynch Str.
Ayars, T. R., 3739 Easton Ave.
Babler, E. A., 617 Euclid Ave.
Bailey, F. W., 1811 California Ave.
Baker, R. W., 4233 Olive Str.
Ball, J. M., 3509 Franklin Ave.
Ball, O. F., Linmar Bldg.
Barck, C., Humboldt Bldg

Barclay, R., 3894 Washington Ave.
Bardenheier, F. G. A., 900 S. Fourth Str.
Barnes, A. S., 5434 Maple Ave.
Barnes, A. S., Jr., Mo. Trust Bldg.
Barnes, P. C., 2931 Easton Ave.
Barnes, R. H., 412 Sarah Str.
Bartlett, Willard, 4257 Washington Ave.
Bartscher, H. W., 829 Bremen Ave.
Bauduy, J. K., 3505 Franklin.
Bauer, C. E., 2104 N. Fourteenth Str.
Baumgarten, G., Humboldt Bldg.
Baumgarten, Walter, Humboldt Bldg.
Becker, W. H., 4743 Labadie Ave.
Beckham, G. S., 5110 Page Boul.
Bedal, A. C., 3418 Lucas Ave.
Bennett, Floyd W., 2828 St. Vincent Ave.
Behrens, L. H., 5 S. Broadway.
Bishop, F. L., 516 N. Garrison Ave.
Black, W. D., 1411 California Ave.
Blair, V. P., Linmar Bldg.
Bliss, M. A., Humboldt Bldg.
Block, Robt. C., Clarksville, Mo.
Bock, A. F., 1107 N. Grand Ave.
Boisliniere, L. C., 3561 Olive Str.
Boehm, J. L., Eighth & Morgan Str.
Boemler, Geo., 1922 St. Louis Ave.
Bond, H. W., City Hall.
Boogher, F., High & Carr Strs.
Boogher, J. L., Mo. Trust Bldg.
Booth, D. S., Linmar Bldg.
Borck, Edw., 3816 N. Twentieth Str.
Bradley, A. H., 1019 N. Twenty-first Str.
Brady, J. M., 1467 Union Bout.
Breed, M. E., 1018 Hamilton Ave.
Bond, Y. H., 315 N. Grand Ave.
Bribach, Benno, 7608 Michigan Ave.
Briggs, Waldo, 2600 Gamble.
Brokaw, A. V. L., 536 N. Taylor Ave.
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Vol. II. General Surgery, edited by J.B.Murphy, M. D., Terseness and practicability seems to be the motto, which has been fully lived up to; the scope is as wide as the subject and takes in all that is an advance in instruments, technic and pathology.

Vol. III. Eye, Ear, Nose and Throat, by Casey A. Wood, M. D., Albert H. Andrews, M. D., and Gustavus P. Head, M. D. These editors have covered the field of the subjects as thoroughly as can be done in an abridged volume. They have used all care in presenting instruments and microscopic cuts, thus putting into the hands of readers the advances in the various subjects in the most convenient form.

These books are accessible to every general practitioner because of their brevity, and also because of the price, the series of ten volumes being sold for $10.00. The subject matter being arranged in separate volumes it is easy for specialists to buy the material they need without paying for the whole. There should be great demand for the "Practical Medicine Series" by all classes of practitioners who try to avoid fossilizing.

HUMAN SEXUALITY. By J. Parke Richardson, M. D. The Professional Publishing Co. Philadelphia.

This work is of peculiar interest to the neurologist, psychologist and sociologist. It covers the field of normal and abnormal sexuality among the different races of the world almost completely. In this respect it is more exhaustive than the studies of Krofft-Ebbing, Havelock, Ellis and Lombroso. The remarkable sexual customs obtaining among the various tribes that live on the Pacific Islands, customs mentioned in this work for the first time. This in itself is of prime importance and moreover indicates a patience and perseverence on the part of the author, meriting unstinted praise. The chapters on Homosexuality are interesting not only to the criminologist but to the general practitioner insofar as the latter are known to make light of this abnormality. The existence of a crime against nature should be combated in every community and although certain medical men may deem it of slight importance on account of its rarity (a view contrary to the author), its mere existence should give us pause. Though the

author offers no solution of the abnormalities he describes, the presentation of facts as set forth by him combined with his lucidity of style, make an appeal which should awaken a wider interest in this subject.

THE EYE AND NERVOUS SYSTEM. Their Diagnostic Relations. By Various Authors. Edited by Wm. Campbell Posey, Professor of Ophthalmology at the Philadelphia Polyclinic, and Wm. G. Spiller, Professor of Neuro-Pathology at the University of Pennsylvania. Octavo. 800 pages. Thoroughly illustrated. Cloth, $6.00. With 22 chapters by the leading specialists of the United States. J. B. Lippincott Co. Philadelphia and London.

By opening up a new field for the general practitioner and enabling him to become acquainted with symptoms hitherto almost entirely unknown and unrecognized by him, though they are frequently first to appear in many cases of spinal and cerebral involvement, it is thought that this work will aid greatly in the advance of medical science, as, in addition to the above, it makes ophthalmologists and neurologists better acquainted with the subjects of which they treat.

LECTURES ON AUTO-INTOXICATION IN DISEASE, OR SELF-POISONING OF THE INDIVIDUAL. By Ch. Bouchard, Professor of Pathology and Therapeutics; Member of the Academy of Medicine and Physician to the Hospitals, Paris. Translated with a Preface and new chapters added, by Thomas Oliver, M. A., M. D., F. R. C. P., Professor of Physiology, University of Durham. Second Revised Edition. Crown Octavo, 342 pages, Extra Cloth. Price, $2.00 net. F. A. Davis Company, Publishers. Philadelphia.

The thirty-two Lectures in this volume deal with the toxins, pathogenic processes generally, elimination of poisons, preliminaries to the study of the toxicity of emunctory products, intestinal antisepsis, and of various diseases due to bacillary products; also the natural defenses of the organism against disease and auto-intoxication of intestinal origin. No subject commands a greater interest; none demands more serious study.

The profession everywhere will cordially welcome this carefully revised and now thoroughly up-to-date edition of an exceedingly valuable contribution in the field of pathological research and modern therapeutics.

ANNOUNCEMENTS.

MANUAL OF ANATOMY. By A. M. Buchanan. (Professor of Anatomy, Anderson College, Glasgow. Ex-examiner in Anatomy to the University of Glasgow) To be published in two parts of about 60 pages each. 8vo. Profusely illustrated with plates and engravings. Part one. Just Ready. Cloth, $2.75 net.

For the first time in the history of the book American Anatomists have been asked to contribute original articles and revise sections in a new edition of Morris' "Anatomy." By thus incorporating the results

of recent investigations in American laboratories the book will have more of an international character, have a wider point-of-view, and be of greater use to teachers and students.

Prof. J. Playfair McMurrich, of the University of Michigan, has assumed the American editorship and will himself contribute two articles.

The following is a complete list of American teachers who have been prevailed upon to contribute chapters:

J. Playfair McMurrich, A. M., Ph. D., Professor of Anatomy, University of Michigan; Charles R. Bardeen, A. B., M. D., Professor of Anatomy in the University of Wisconsin; Florence R. Sabin, B. S. M. D., Associate Professor of Anatomy in the Johns Hopkins University; Irving Hardesty, A. B., Ph. D., Assistant Professor of Anatomy, University of California; G. Carl Huber, M. D., Professor of Histology and Embryology in the University of Michigan; R. J. Terry, A. B., M. D., Professor of Anatomy, Washington University, St. Louis; Abram T. Kerr, B. S., M. D., Professor of Anatomy, Cornell University.

Books Received.

Year Book Publishing Co. Chicago, 1906.
Practical Medicine Series, 1906. Vol. I (Medicine), by Murphy. Vol. II (Surgery), by Billings-Salisbury. Vol. III (Eye, Ear, Nose and throat), by Wood, Andrews, Head.

J. B. Lippincott Co. Philadelphia and London, 1906.
Consumption and Civilization, by John Bessner Huber, A. M., M. D.
Eye and Nervous System, by Posey & Spiller.

D. Appleton & Co. New York, 1906.
Operative Otology, by Blake & Reik.
Diseases of the Eye, by Fox.
Text Book of Obstetrics, by Wright.
Modern Clinical Medicine: Infectious Diseases, by Wilson.
Modern Clinical Medicine: Diabetes, etc., by Cabot.
Clinical Study of Blood Pressure, by Janeway.

McClure, Phillips & Co., New York, 1906.
Walter Reed and Yellow Fever, by Howard Kelly, M. D.

Surgical Publishing Co., New York.
Surgical Suggestions, by Brickner.

Professional Publishing Co., Philadelphia, 1906.
Human Sexuality, by J. Parke Richardson.

P. Blakiston's Son & Co., Philadelphia and New York, 1906.
Pharmacy-Quiz Compend, by Stewart.
Eczema, by Brown.

F. A. Davis & Co., Philadelphia, 1906.
Christianity and Sex Problems, by Hugh Northcote, A. M.
Autointoxication in Disease, by Bouchard-Oliver.

Grafton Press, New York, 1906.
Operative Gynecology, by Bainbridge-Meeker.